Name:

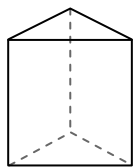**Use the diagram to determine the faces, vertices and edges of the shapes.**

1)
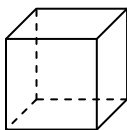
triangular prism

faces: _____

vertices: _____

edges: _____

2)

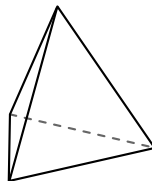cube

faces: _____

vertices: _____

edges: _____

3)

triangular pyramid

faces: _____

vertices: _____

edges: _____

1. _____

2. _____

3. _____

4. _____

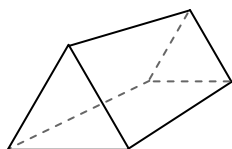5. _____

6. _____

4)

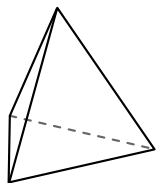sphere   triangular prism

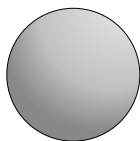Which shape has more faces?
A.sphere
B.triangular prism
C.They both have the same number of faces.
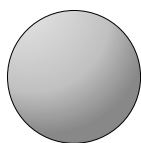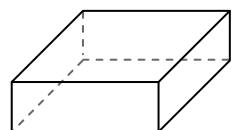
5)

triangular pyramid   sphere

Which shape has more vertices?
A.triangular pyramid
B.sphere
C.They both have the same number of vertices.
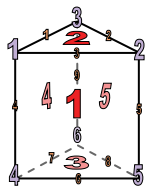
6)

sphere   rectangular prism

Which shape has more edges?
A.sphere
B.rectangular prism
C.They both have the same number of edges.

Name: **Answer Key**

Use the diagram to determine the faces, vertices and edges of the shapes.
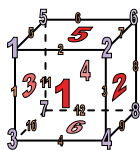
1)

triangular prism

faces: 5

vertices: 6

edges: 9

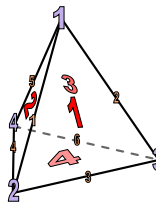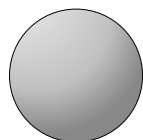**2)**

cube

faces: 6

vertices: 8

edges: 12

3)

triangular pyramid

faces: 4

vertices: 4

edges: 6

1. **5, 6, 9**

2. **6, 8, 12**

3. **4, 4, 6**

4. **B**

5. **A**

6. **B**

4)

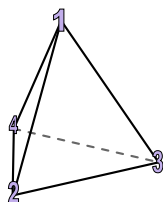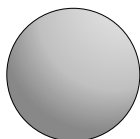sphere   triangular prism

Which shape has more faces?
A. sphere
B. triangular prism
C. They both have the same number of faces.
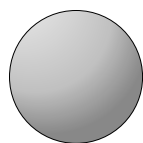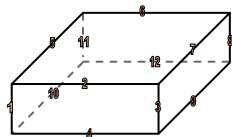
5)

triangular pyramid   sphere

Which shape has more vertices?
A. triangular pyramid
B. sphere
C. They both have the same number of vertices.

6)

sphere   rectangular prism

Which shape has more edges?
A. sphere
B. rectangular prism
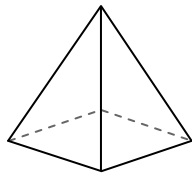C. They both have the same number of edges.

1-6 | 83 | 67 | 50 | 33 | 17 | 0

Name:

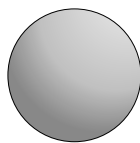**Use the diagram to determine the faces,vertices and edges of the shapes.**

1)

rectangular pyramid

faces: _____

vertices: _____

edges: _____

2)

sphere
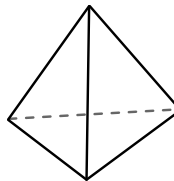
faces: _____

vertices: _____

edges: _____

3)

triangular pyramid

faces: _____

vertices: _____

edges: _____

1. _____

2. _____
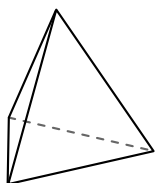
3. _____

4. _____

5. _____

6. _____

4)

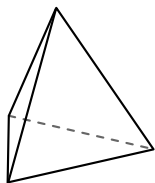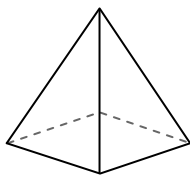triangular pyramid   rectangular prism

Which shape has more faces?
A.triangular pyramid
B.rectangular prism
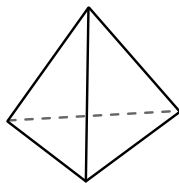C.They both have the same number of faces.
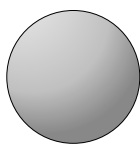
5)

triangular pyramid   rectangular pyramid

Which shape has more vertices?
A.triangular pyramid
B.rectangular pyramid
C.They both have the same number of vertices.
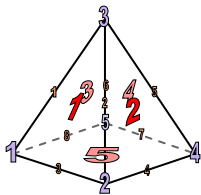
6)

triangular pyramid   sphere

Which shape has more edges?
A.triangular pyramid
B.sphere
C.They both have the same number of edges.
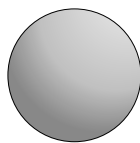
Name:

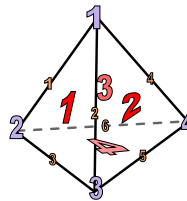**Use the diagram to determine the faces, vertices and edges of the shapes.**
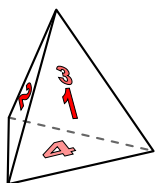
1)

rectangular pyramid

faces: _____5_____

vertices: _____5_____

edges: _____8_____

2)

sphere

faces: _____1_____

vertices: _____0_____

edges: _____0_____

3)

triangular pyramid

faces: _____4_____

vertices: _____4_____

edges: _____6_____

1. _____**5, 5, 8**_____

2. _____**1, 0, 0**_____

3. _____**4, 4, 6**_____

4. _____**B**_____

5. _____**B**_____

6. _____**A**_____

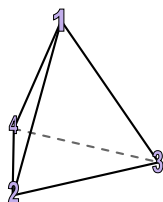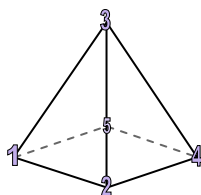**4)**

triangular pyramid   rectangular prism

Which shape has more faces?
A. triangular pyramid
B. rectangular prism
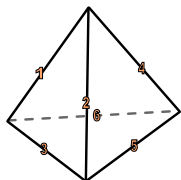C. They both have the same number of faces.
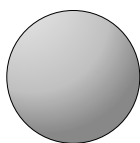
5)

triangular pyramid   rectangular pyramid

Which shape has more vertices?
A. triangular pyramid
B. rectangular pyramid
C. They both have the same number of vertices.

6)

triangular pyramid   sphere

Which shape has more edges?
A. triangular pyramid
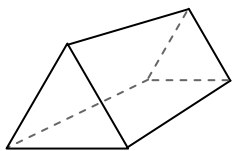B. sphere
C. They both have the same number of edges.

Name:

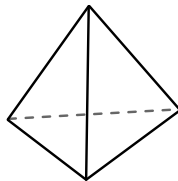**Use the diagram to determine the faces, vertices and edges of the shapes.**

1)

triangular prism

faces: _____

vertices: _____

edges: _____

2)

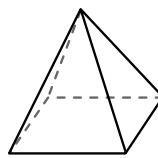triangular pyramid

faces: _____

vertices: _____

edges: _____

3)

rectangular pyramid

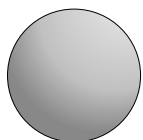faces: _____

vertices: _____
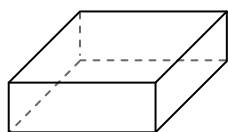
edges: _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

4)

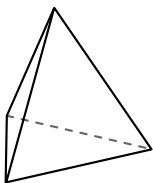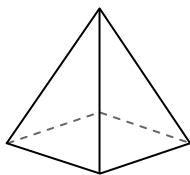sphere   rectangular prism

Which shape has more faces?
A.sphere
B.rectangular prism
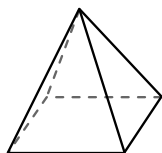C.They both have the same number of faces.
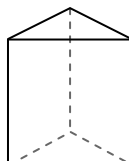
5)

triangular pyramid   rectangular pyramid

Which shape has more vertices?
A.triangular pyramid
B.rectangular pyramid
C.They both have the same number of vertices.
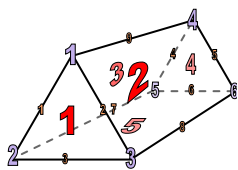
6)

rectangular pyramid   triangular prism

Which shape has more edges?
A.rectangular pyramid
B.triangular prism
C.They both have the same number of edges.

Name:

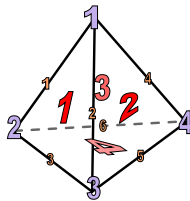**Use the diagram to determine the faces,vertices and edges of the shapes.**

Answers

1)

triangular prism

faces: _____5_____

vertices: _____6_____

edges: _____9_____

2)

triangular pyramid

faces: _____4_____

vertices: _____4_____

edges: _____6_____

3)

rectangular pyramid

faces: _____5_____

vertices: _____5_____

edges: _____8_____

1. **5, 6, 9**

2. **4, 4, 6**

3. **5, 5, 8**

4. **B**

5. **B**

6. **B**

4)

sphere   rectangular prism

Which shape has more faces?

A.sphere

B.rectangular prism

C.They both have the same number of faces.

5)

triangular pyramid   rectangular pyramid

Which shape has more vertices?

A.triangular pyramid

B.rectangular pyramid

C.They both have the same number of vertices.

6)

rectangular pyramid   triangular prism

Which shape has more edges?

A.rectangular pyramid

B.triangular prism

C.They both have the same number of edges.

Name:

Use the diagram to determine the faces,vertices and edges of the shapes.

1)

triangular pyramid

faces: _____

vertices: _____

edges: _____
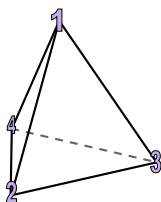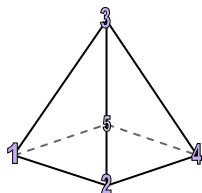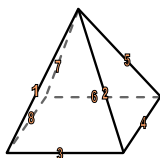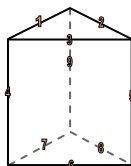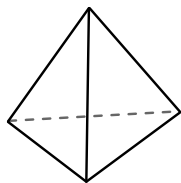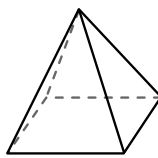
2)

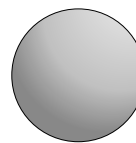rectangular pyramid
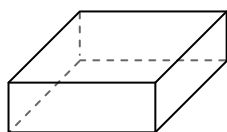
faces: _____

vertices: _____

edges: _____

3)

sphere

faces: _____
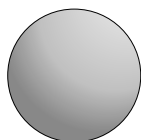
vertices: _____

edges: _____

1. _____

2. _____

3. _____
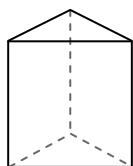
4. _____

5. _____

6. _____
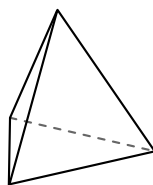
4)

rectangular prism   sphere

Which shape has more faces?
A.rectangular prism
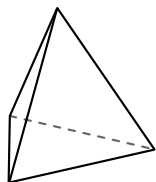B.sphere
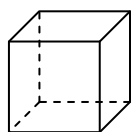C.They both have the same number of faces.

5)

triangular prism   triangular pyramid

Which shape has more vertices?
A.triangular prism
B.triangular pyramid
C.They both have the same number of vertices.
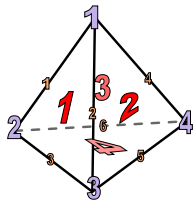
6)

triangular pyramid   cube

Which shape has more edges?
A.triangular pyramid
B.cube
C.They both have the same number of edges.

Math

4

1-6 | 83 | 67 | 50 | 33 | 17 | 0

Name:

Use the diagram to determine the faces, vertices and edges of the shapes.
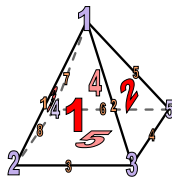
1)

triangular pyramid

faces: 4

vertices: 4

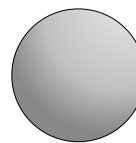edges: 6

2)

rectangular pyramid
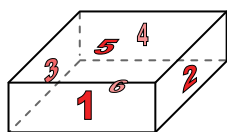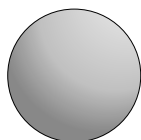
faces: 5

vertices: 5

edges: 8

3)

sphere

faces: 1

vertices: 0
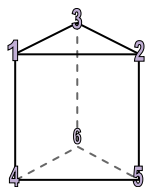
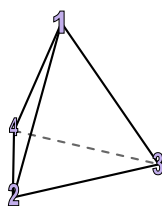edges: 0

4)

rectangular prism   sphere

Which shape has more faces?
A. rectangular prism
B. sphere
C. They both have the same number of faces.

5)

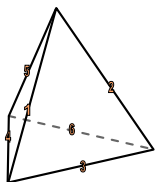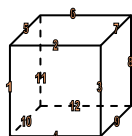triangular prism   triangular pyramid

Which shape has more vertices?
A. triangular prism
B. triangular pyramid
C. They both have the same number of vertices.

6)

triangular pyramid   cube

Which shape has more edges?
A. triangular pyramid
B. cube
C. They both have the same number of edges.

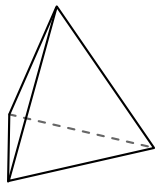**Use the diagram to determine the faces, vertices and edges of the shapes.**

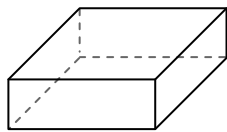**1)**

triangular pyramid

faces: _____

vertices: _____

edges: _____

2)

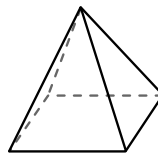rectangular prism

faces: _____

vertices: _____

edges: _____

3)

rectangular pyramid

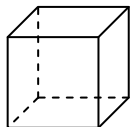faces: _____

vertices: _____
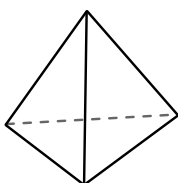
edges: _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

4)

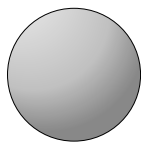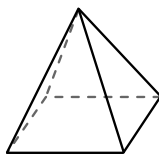cube   triangular pyramid

Which shape has more faces?
A.cube
B.triangular pyramid
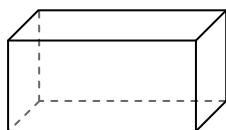C.They both have the same number of faces.
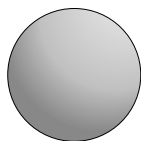
5)

sphere   rectangular pyramid

Which shape has more vertices?
A.sphere
B.rectangular pyramid
C.They both have the same number of vertices.
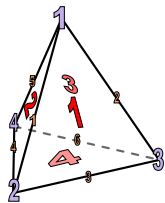
6)

rectangular prism   sphere

Which shape has more edges?
A.rectangular prism
B.sphere
C.They both have the same number of edges.

Name:

Use the diagram to determine the faces, vertices and edges of the shapes.

Answers

1. **4, 4, 6**

2. **6, 8, 12**

3. **5, 5, 8**
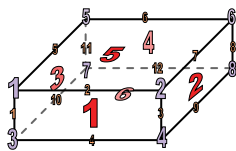
4. **A**

5. **B**

6. **A**

1)

triangular pyramid
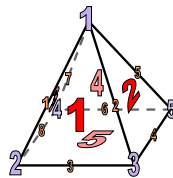
faces: 4

vertices: 4

edges: 6

2)

rectangular prism

faces: 6

vertices: 8
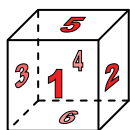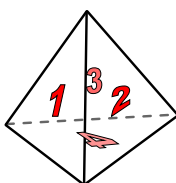
edges: 12

3)

rectangular pyramid

faces: 5

vertices: 5
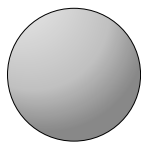
edges: 8

4)

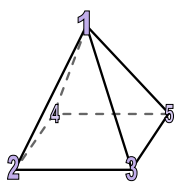cube   triangular pyramid

Which shape has more faces?
A. cube
B. triangular pyramid
C. They both have the same number of faces.
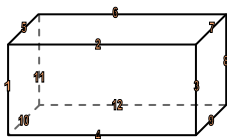
5)

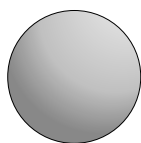sphere   rectangular pyramid

Which shape has more vertices?
A. sphere
B. rectangular pyramid
C. They both have the same number of vertices.

6)

rectangular prism   sphere

Which shape has more edges?
A. rectangular prism
B. sphere
C. They both have the same number of edges.
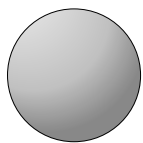
Math

5

1-6 | 83 | 67 | 50 | 33 | 17 | 0

Name:

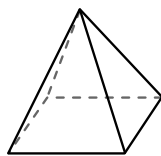**Use the diagram to determine the faces, vertices and edges of the shapes.**

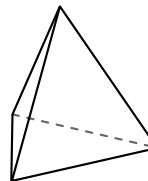**1)**

sphere

faces: _____

vertices: _____

edges: _____

2)

rectangular pyramid

faces: _____

vertices: _____

edges: _____

3)

triangular pyramid
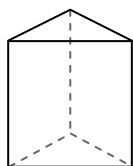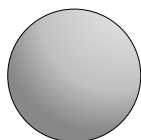
faces: _____

vertices: _____

edges: _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

4)

triangular prism   sphere
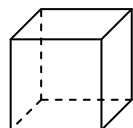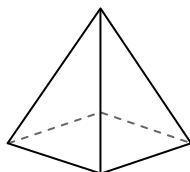
Which shape has more faces?
A.triangular prism
B.sphere
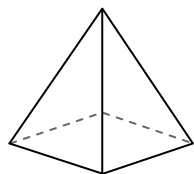C.They both have the same number of faces.
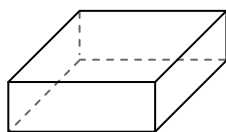
5)

cube   rectangular pyramid

Which shape has more vertices?
A.cube
B.rectangular pyramid
C.They both have the same number of vertices.

6)

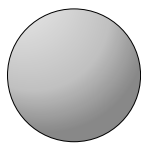rectangular pyramid   rectangular prism

Which shape has more edges?
A.rectangular pyramid
B.rectangular prism
C.They both have the same number of edges.

		Characteristics of 3d Shapes

Name:

Use the diagram to determine the faces, vertices and edges of the shapes.
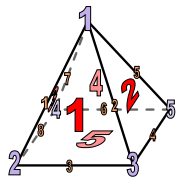
1)

sphere
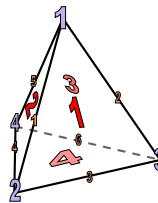
faces: 1

vertices: 0

edges: 0

2)

rectangular pyramid
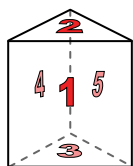
faces: 5

vertices: 5

edges: 8

3)

triangular pyramid

faces: 4

vertices: 4

edges: 6

1. _____**1, 0, 0**_____

2. _____**5, 5, 8**_____

3. _____**4, 4, 6**_____

4. _____**A**_____

5. _____**A**_____

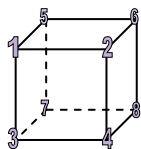6. _____**B**_____
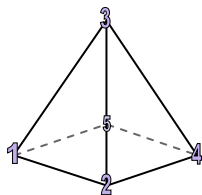
4)

triangular prism   sphere

Which shape has more faces?
A. triangular prism
B. sphere
C. They both have the same number of faces.

5)

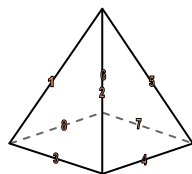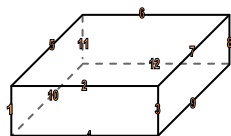cube   rectangular pyramid

Which shape has more vertices?
A. cube
B. rectangular pyramid
C. They both have the same number of vertices.

6)

rectangular pyramid   rectangular prism

Which shape has more edges?
A. rectangular pyramid
B. rectangular prism
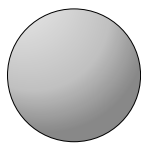C. They both have the same number of edges.

1-6 | 83 | 67 | 50 | 33 | 17 | 0 |

Use the diagram to determine the faces,vertices and edges of the shapes.

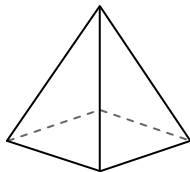**1)**

sphere

faces: _____

vertices: _____

edges: _____

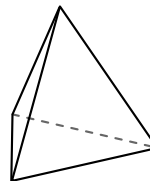**2)**

rectangular pyramid

faces: _____

vertices: _____

edges: _____

3)

triangular pyramid
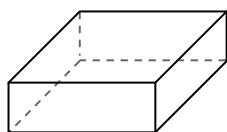
faces: _____
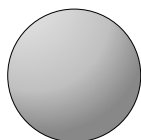
vertices: _____

edges: _____

1. _____

2. _____

3. _____

4. _____
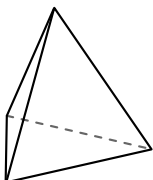
5. _____

6. _____

4)
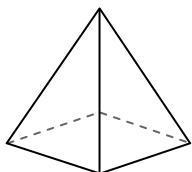
rectangular prism   sphere

Which shape has more faces?

A.rectangular prism

B.sphere

C.They both have the same number of faces.

5)

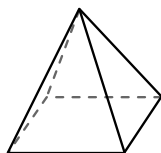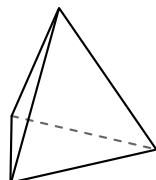triangular pyramid   rectangular pyramid

Which shape has more vertices?

A.triangular pyramid

B.rectangular pyramid

C.They both have the same number of vertices.
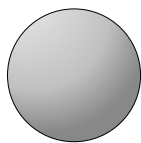
6)

rectangular pyramid   triangular pyramid

Which shape has more edges?

A.rectangular pyramid

B.triangular pyramid

C.They both have the same number of edges.

Characteristics of 3d Shapes
Name: **Answer Key**

Use the diagram to determine the faces, vertices and edges of the shapes.
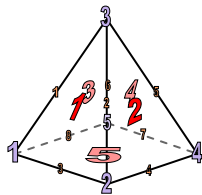
Answers

1)

sphere
faces: 1
vertices: 0
edges: 0

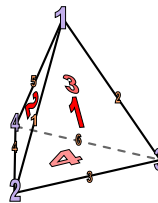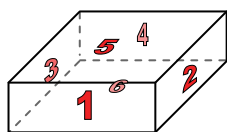**2)**

rectangular pyramid
faces: 5
vertices: 5
edges: 8

3)

triangular pyramid
faces: 4
vertices: 4
edges: 6

1. **1, 0, 0**

2. **5, 5, 8**

3. **4, 4, 6**

4. **A**

5. **B**

6. **A**

4)

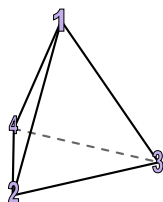rectangular prism   sphere

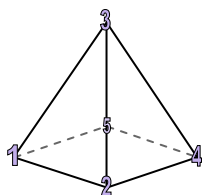Which shape has more faces?
A. rectangular prism
B. sphere
C. They both have the same number of faces.

5)

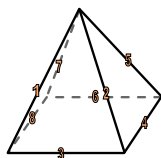triangular pyramid   rectangular pyramid

Which shape has more vertices?
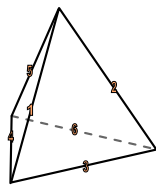A. triangular pyramid
B. rectangular pyramid
C. They both have the same number of vertices.

6)

rectangular pyramid   triangular pyramid

Which shape has more edges?
A. rectangular pyramid
B. triangular pyramid
C. They both have the same number of edges.
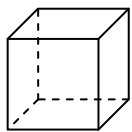
Math
www.CommonCoreSheets.com

7

1-6 | 83 | 67 | 50 | 33 | 17 | 0

Use the diagram to determine the faces,vertices and edges of the shapes.

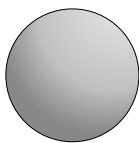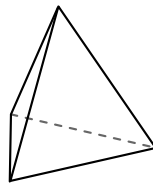**1)**

cube

faces: _____

vertices: _____

edges: _____

2)

sphere

faces: _____

vertices: _____

edges: _____

3)

triangular pyramid

faces: _____

vertices: _____

edges: _____

4)

sphere   rectangular pyramid
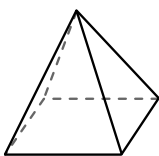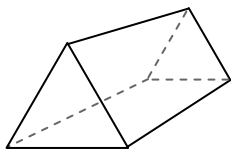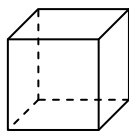
Which shape has more faces?
A.sphere
B.rectangular pyramid
C.They both have the same number of faces.

5)

triangular prism   cube
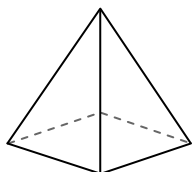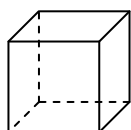
Which shape has more vertices?
A.triangular prism
B.cube
C.They both have the same number of vertices.

6)

rectangular pyramid   cube
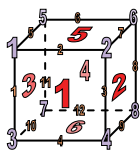
Which shape has more edges?
A.rectangular pyramid
B.cube
C.They both have the same number of edges.

Characteristics of 3d Shapes   Name: **Answer Key**

Use the diagram to determine the faces, vertices and edges of the shapes.

Answers

1. **6, 8, 12**
2. **1, 0, 0**
3. **4, 4, 6**
4. **B**
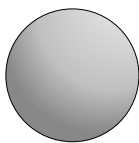5. **B**
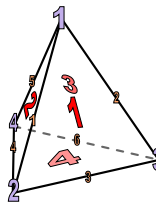6. **B**

1)

cube
faces: 6
vertices: 8
edges: 12

2)

sphere
faces: 1
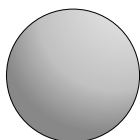vertices: 0
edges: 0

3)
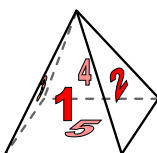
triangular pyramid
faces: 4
vertices: 4
edges: 6

4)

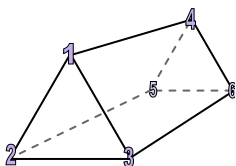sphere   rectangular pyramid
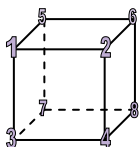
Which shape has more faces?
A.sphere
B.rectangular pyramid
C.They both have the same number of faces.
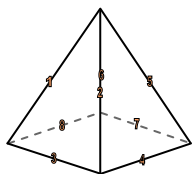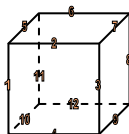
5)

triangular prism   cube

Which shape has more vertices?
A.triangular prism
B.cube
C.They both have the same number of vertices.

6)

rectangular pyramid   cube

Which shape has more edges?
A.rectangular pyramid
B.cube
C.They both have the same number of edges.

Math   www.CommonCoreSheets.com   8   1-6 | 83 | 67 | 50 | 33 | 17 | 0

Name:

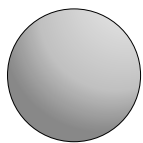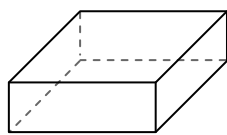**Use the diagram to determine the faces, vertices and edges of the shapes.**

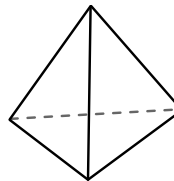**1)**

sphere

faces: _____

vertices: _____

edges: _____

2)

rectangular prism

faces: _____

vertices: _____

edges: _____

3)

triangular pyramid

faces: _____

vertices: _____

edges: _____

1. _____

2. _____

3. _____

4. _____
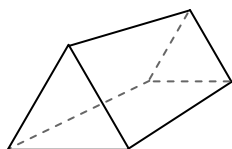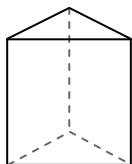
5. _____

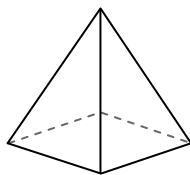6. _____

4)

cube   triangular prism

Which shape has more faces?
A.cube
B.triangular prism
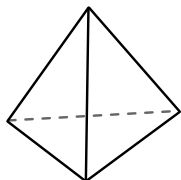C.They both have the same number of faces.

5)
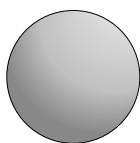
triangular prism   rectangular pyramid

Which shape has more vertices?
A.triangular prism
B.rectangular pyramid
C.They both have the same number of vertices.
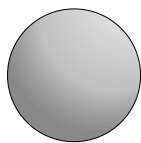
6)

triangular pyramid   sphere

Which shape has more edges?
A.triangular pyramid
B.sphere
C.They both have the same number of edges.

Name:

Use the diagram to determine the faces, vertices and edges of the shapes.
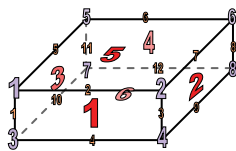
Answers
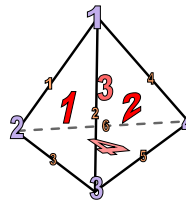
1)

sphere

faces: 1

vertices: 0

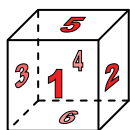edges: 0

2)

rectangular prism

faces: 6

vertices: 8

edges: 12

3)

triangular pyramid

faces: 4

vertices: 4

edges: 6

1. **1, 0, 0**

2. **6, 8, 12**

3. **4, 4, 6**
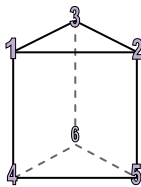
4. **A**

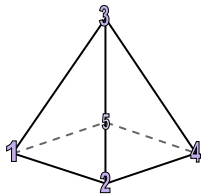5. **A**

6. **A**

4)

cube   triangular prism

Which shape has more faces?
A. cube
B. triangular prism
C. They both have the same number of faces.

5)

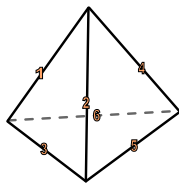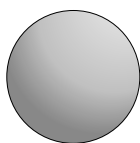triangular prism   rectangular pyramid

Which shape has more vertices?
A. triangular prism
B. rectangular pyramid
C. They both have the same number of vertices.

6)

triangular pyramid   sphere

Which shape has more edges?
A. triangular pyramid
B. sphere
C. They both have the same number of edges.
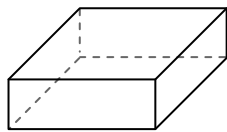
Math

9

1-6 | 83 | 67 | 50 | 33 | 17 | 0

Use the diagram to determine the faces,vertices and edges of the shapes.

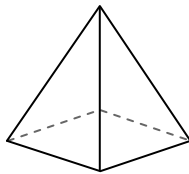**1)**

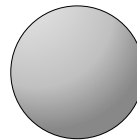rectangular prism

faces: _____

vertices: _____

edges: _____

2)

rectangular pyramid

faces: _____

vertices: _____

edges: _____

3)

sphere

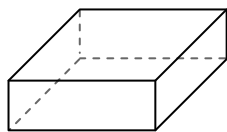faces: _____

vertices: _____
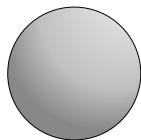
edges: _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

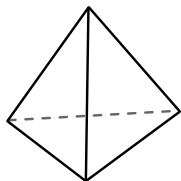**4)**

rectangular prism   sphere

Which shape has more faces?
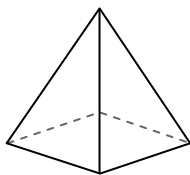A.rectangular prism
B.sphere
C.They both have the same number of faces.

5)
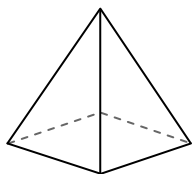

triangular pyramid   rectangular pyramid

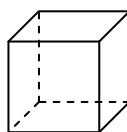Which shape has more vertices?
A.triangular pyramid
B.rectangular pyramid
C.They both have the same number of vertices.

6)

rectangular pyramid   cube

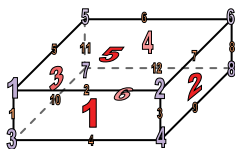Which shape has more edges?
A.rectangular pyramid
B.cube
C.They both have the same number of edges.

Name:

Use the diagram to determine the faces, vertices and edges of the shapes.

Answers

1. **6, 8, 12**

2. **5, 5, 8**

3. **1, 0, 0**

4. **A**

5. **B**

6. **B**

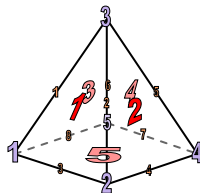**1)**

rectangular prism

faces: 6

vertices: 8

edges: 12

2)

rectangular pyramid

faces: 5

vertices: 5

edges: 8

3)

sphere

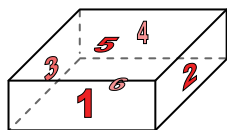faces: 1

vertices: 0

edges: 0

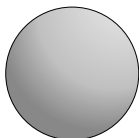**4)**

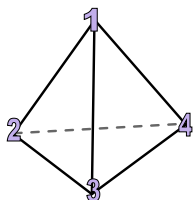rectangular prism   sphere

Which shape has more faces?
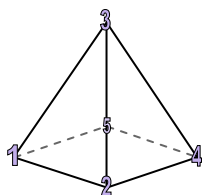A. rectangular prism
B. sphere
C. They both have the same number of faces.

5)

triangular pyramid   rectangular pyramid
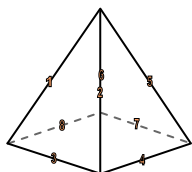
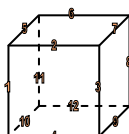Which shape has more vertices?
A. triangular pyramid
B. rectangular pyramid
C. They both have the same number of vertices.

6)

rectangular pyramid   cube

Which shape has more edges?
A. rectangular pyramid
B. cube
C. They both have the same number of edges.