

## Solve each problem.

1) Which equation has only 4 as a possible value of x?

3) Which equation has only 10 as a possible

A. 
$$x^3 = 16$$

B. 
$$x^2 = 12$$

C. 
$$x^3 = 12$$

D. 
$$x^3 = 64$$

value of x?

A.  $x^3 = 100$ 

B.  $x^2 = 1000$ 

C.  $x^3 = 1000$ 

D.  $x^2 = 30$ 

2) Which equation has both 7 and -7 as a possible value of x?

A. 
$$x^2 = 343$$

B. 
$$x^3 = 49$$

C. 
$$x^3 = 14$$

D. 
$$x^2 = 49$$

4) Which equation has both 6 and -6 as a possible value of x?

A. 
$$x^3 = 12$$

B. 
$$x^2 = 36$$

C. 
$$x^3 = 216$$

D. 
$$x^2 = 216$$

5) Which equation has only 8 as a possible value of x?

A. 
$$x^3 = 512$$

B. 
$$x^2 = 512$$

C. 
$$x^2 = 64$$

D. 
$$x^3 = 24$$

**6)** Which equation has both 9 and -9 as a possible value of x?

A. 
$$x^3 = 18$$

B. 
$$x^3 = 729$$

C. 
$$x^3 = 81$$

D. 
$$x^2 = 81$$

7) Which equation has both 5 and -5 as a possible value of x?

A. 
$$x^2 = 25$$

B. 
$$x^3 = 25$$

C. 
$$x^3 = 125$$

D. 
$$x^2 = 10$$

8) Which equation has only 9 as a possible value of x?

A. 
$$x^3 = 729$$

B. 
$$x^3 = 81$$

C. 
$$x^2 = 27$$

D. 
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9) Which equation has both 4 and -4 as a possible value of x?

A. 
$$x^2 = 8$$

B. 
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C. 
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D. 
$$x^2 = 64$$

**10)** Which equation has both 8 and -8 as a possible value of x?

A. 
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B. 
$$x^2 = 512$$

C. 
$$x^2 = 64$$

D. 
$$x^3 = 512$$

- 1. \_\_\_\_\_
- 2.
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 9.
- 10. \_\_\_\_\_

Name:

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B. 
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C. 
$$x^2 = 64$$

D. 
$$x^3 = 512$$

- 1. **D**
- **D** 
  - s. **C**
  - 4. **B**
- 5. **A**
- 6. **D**
- 7. **A**
- 8. **A**
- 9. **C**