Determine if the statement is possible(p) or impossible(i).

Answers

1) A triangle with the angles: 120°, 33° and 27°.

1. _____

2) A triangle with the angles: 96°, 15° and 69°.

2. _____

3) A triangle with the angles: 13°, 57° and 110°.

3. _____

4) A triangle with the angles: 54°, 41° and 83°.

4. _____

5) A triangle with the angles: 159°, 20° and 1°.

5. _____

6) A triangle with the angles: 125°, 10° and 32°.

6. _____

7) A triangle with the angles: 155°, 11° and 7°.

7. _____

8) A triangle with the angles: 128°, 2° and 42°.

8. _____

9) A triangle with the angles: 65°, 90° and 17°.

9. _____

10) A triangle with the angles: 89°, 43° and 48°.

10. _____

11) A triangle with the sides: 6ft, 6ft and 6ft.

11. _____

12) A triangle with the sides: 9ft, 3ft and 2ft.

12. _____

13) A triangle with the sides: 6in, 6in and 6in.

13. _____

14) A triangle with the sides: 3ft, 4ft and 2ft.

14. _____

15) A triangle with the sides: 5in, 5in and 4in.

15. _____

16) A triangle with the sides: 5in, 10in and 4in.

16. _____

17) A triangle with the sides: 9mm, 9mm and 5mm.

17. _____

18) A triangle with the sides: 4mm, 10mm and 3mm.

18. _____

19) A triangle with the sides: 1ft, 1ft and 1ft.

19. _____

20) A triangle with the sides: 6ft, 3ft and 7ft.

20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Name: **Answer Key**

Answers

Determine if the statement is possible(p) or impossible(i).

1) A triangle with the angles: 120°, 33° and 27°.

1. _____ **p**

2) A triangle with the angles: 96°, 15° and 69°.

2. _____ **p**

3) A triangle with the angles: 13°, 57° and 110°.

3. _____ **p**

4) A triangle with the angles: 54°, 41° and 83°.

4. _____ **i**

5) A triangle with the angles: 159°, 20° and 1°.

5. _____ **p**

6) A triangle with the angles: 125°, 10° and 32°.

6. _____ **i**

7) A triangle with the angles: 155°, 11° and 7°.

7. _____ **i**

8) A triangle with the angles: 128°, 2° and 42°.

8. _____ **i**

9) A triangle with the angles: 65°, 90° and 17°.

9. _____ **i**

10) A triangle with the angles: 89°, 43° and 48°.

10. _____ **p**

11) A triangle with the sides: 6ft, 6ft and 6ft.

11. _____ **p**

12) A triangle with the sides: 9ft, 3ft and 2ft.

12. _____ **i**

13) A triangle with the sides: 6in, 6in and 6in.

13. _____ **p**

14) A triangle with the sides: 3ft, 4ft and 2ft.

14. _____ **p**

15) A triangle with the sides: 5in, 5in and 4in.

15. _____ **p**

16) A triangle with the sides: 5in, 10in and 4in.

16. _____ **i**

17) A triangle with the sides: 9mm, 9mm and 5mm.

17. _____ **p**

18) A triangle with the sides: 4mm, 10mm and 3mm.

18. _____ **i**

19) A triangle with the sides: 1ft, 1ft and 1ft.

19. _____ **p**

20) A triangle with the sides: 6ft, 3ft and 7ft.

20. _____ **p**

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0