Identifying Triangle Angles and Lengths

Name:

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

1) A triangle with the angles: 56°, 67° and 49°.

2) A triangle with the angles: 104°, 39° and 37°.

3) A triangle with the angles: 11°, 6° and 141°.

4) A triangle with the angles: 19°, 51° and 97°.

5) A triangle with the angles: 19°, 129° and 32°.

6) A triangle with the angles: 45°, 56° and 79°.

7) A triangle with the angles: 99°, 58° and 23°.

8) A triangle with the angles: 19°, 102° and 30°.

9) A triangle with the angles: 15°, 60° and 105°.

10) A triangle with the angles: 3°, 75° and 102°.

11) A triangle with the sides: 5cm, 7cm and 4cm.

12) A triangle with the sides: 4cm, 8cm and 3cm.

13) A triangle with the sides: 8ft, 8ft and 8ft.

14) A triangle with the sides: 5cm, 5cm and 4cm.

15) A triangle with the sides: 6in, 5in and 4in.

16) A triangle with the sides: 4ft, 9ft and 3ft.

17) A triangle with the sides: 4cm, 10cm and 3cm.

18) A triangle with the sides: 7in, 7in and 6in.

19) A triangle with the sides: 7ft, 2ft and 1ft.

20) A triangle with the sides: 6ft, 6ft and 5ft.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
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

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Name: **Answer Key**

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20) A triangle with the sides: 6ft, 6ft and 5ft.

Answers

1. i
2. p
3. i
4. i
5. p
6. p
7. p
8. i
9. p
10. p
11. p
12. i
13. p
14. p
15. p
16. i
17. i
18. p
19. i
20. p

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