Identifying Triangle Angles and Lengths

Name:

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

1) A triangle with the angles: 22°, 8° and 130°.

2) A triangle with the angles: 14°, 57° and 103°.

3) A triangle with the angles: 31°, 131° and 18°.

4) A triangle with the angles: 29°, 83° and 53°.

5) A triangle with the angles: 100°, 14° and 66°.

6) A triangle with the angles: 53°, 51° and 76°.

7) A triangle with the angles: 12°, 73° and 95°.

8) A triangle with the angles: 70°, 34° and 76°.

9) A triangle with the angles: 4°, 170° and 6°.

10) A triangle with the angles: 46°, 115° and 19°.

11) A triangle with the sides: 6cm, 2cm and 1cm.

12) A triangle with the sides: 9cm, 9cm and 9cm.

13) A triangle with the sides: 7cm, 4cm and 8cm.

14) A triangle with the sides: 8cm, 6cm and 9cm.

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

16) A triangle with the sides: 7ft, 5ft and 4ft.

17) A triangle with the sides: 4in, 3in and 5in.

18) A triangle with the sides: 5ft, 4ft and 6ft.

19) A triangle with the sides: 9ft, 7ft and 10ft.

20) A triangle with the sides: 5cm, 6cm and 4cm.

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: 5cm, 6cm and 4cm.

Answers

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

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