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

1) A triangle with the angles: 5°, 113° and 41°.

1. _____

2) A triangle with the angles: 34°, 7° and 109°.

2. _____

3) A triangle with the angles: 122°, 9° and 44°.

3. _____

4) A triangle with the angles: 82°, 75° and 23°.

4. _____

5) A triangle with the angles: 46°, 4° and 117°.

5. _____

6) A triangle with the angles: 4°, 55° and 95°.

6. _____

7) A triangle with the angles: 134°, 39° and 7°.

7. _____

8) A triangle with the angles: 38°, 1° and 141°.

8. _____

9) A triangle with the angles: 62°, 50° and 43°.

9. _____

10) A triangle with the angles: 33°, 17° and 130°.

10. _____

11) A triangle with the sides: 3ft, 7ft and 2ft.

11. _____

12) A triangle with the sides: 5mm, 2mm and 6mm.

12. _____

13) A triangle with the sides: 9cm, 8cm and 7cm.

13. _____

14) A triangle with the sides: 5mm, 7mm and 4mm.

14. _____

15) A triangle with the sides: 7cm, 8cm and 6cm.

15. _____

16) A triangle with the sides: 10ft, 2ft and 1ft.

16. _____

17) A triangle with the sides: 7in, 7in and 8in.

17. _____

18) A triangle with the sides: 8mm, 2mm and 9mm.

18. _____

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

19. _____

20) A triangle with the sides: 6mm, 8mm and 9mm.

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:

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Answers

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20) A triangle with the sides: 6mm, 8mm and 9mm.

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

1-10	95	90	85	80	75	70	65	60	55	50
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