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

1) A triangle with the angles: 51°, 9° and 120°.

1. _____

2) A triangle with the angles: 126°, 12° and 35°.

2. _____

3) A triangle with the angles: 1°, 2° and 157°.

3. _____

4) A triangle with the angles: 18°, 9° and 148°.

4. _____

5) A triangle with the angles: 91°, 65° and 10°.

5. _____

6) A triangle with the angles: 89°, 67° and 11°.

6. _____

7) A triangle with the angles: 53°, 94° and 12°.

7. _____

8) A triangle with the angles: 84°, 6° and 90°.

8. _____

9) A triangle with the angles: 59°, 94° and 1°.

9. _____

10) A triangle with the angles: 57°, 7° and 116°.

10. _____

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

11. _____

12) A triangle with the sides: 10mm, 10mm and 10mm.

12. _____

13) A triangle with the sides: 6mm, 2mm and 1mm.

13. _____

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

14. _____

15) A triangle with the sides: 6cm, 4cm and 3cm.

15. _____

16) A triangle with the sides: 9mm, 3mm and 2mm.

16. _____

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

17. _____

18) A triangle with the sides: 9in, 9in and 9in.

18. _____

19) A triangle with the sides: 4in, 2in and 5in.

19. _____

20) A triangle with the sides: 3cm, 5cm and 6cm.

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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19) A triangle with the sides: 4in, 2in and 5in.

20) A triangle with the sides: 3cm, 5cm and 6cm.

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

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