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

1) A triangle with the angles: 121°, 12° and 47°.

1. _____

2) A triangle with the angles: 1°, 5° and 174°.

2. _____

3) A triangle with the angles: 67°, 2° and 102°.

3. _____

4) A triangle with the angles: 15°, 38° and 127°.

4. _____

5) A triangle with the angles: 45°, 14° and 101°.

5. _____

6) A triangle with the angles: 16°, 112° and 52°.

6. _____

7) A triangle with the angles: 25°, 141° and 14°.

7. _____

8) A triangle with the angles: 5°, 144° and 31°.

8. _____

9) A triangle with the angles: 133°, 9° and 34°.

9. _____

10) A triangle with the angles: 76°, 50° and 26°.

10. _____

11) A triangle with the sides: 3mm, 8mm and 2mm.

11. _____

12) A triangle with the sides: 9mm, 5mm and 4mm.

12. _____

13) A triangle with the sides: 8ft, 3ft and 9ft.

13. _____

14) A triangle with the sides: 8ft, 2ft and 1ft.

14. _____

15) A triangle with the sides: 10in, 2in and 1in.

15. _____

16) A triangle with the sides: 3in, 3in and 1in.

16. _____

17) A triangle with the sides: 6mm, 8mm and 5mm.

17. _____

18) A triangle with the sides: 5cm, 3cm and 2cm.

18. _____

19) A triangle with the sides: 10cm, 3cm and 2cm.

19. _____

20) A triangle with the sides: 2mm, 10mm and 11mm.

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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16) A triangle with the sides: 3in, 3in and 1in.

17) A triangle with the sides: 6mm, 8mm and 5mm.

18) A triangle with the sides: 5cm, 3cm and 2cm.

19) A triangle with the sides: 10cm, 3cm and 2cm.

20) A triangle with the sides: 2mm, 10mm and 11mm.

1. **p**

2. **p**

3. **i**

4. **p**

5. **i**

6. **p**

7. **p**

8. **p**

9. **i**

10. **i**

11. **i**

12. **i**

13. **p**

14. **i**

15. **i**

16. **p**

17. **p**

18. **i**

19. **i**

20. **p**

Math

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