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.

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

Name:

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

Answers

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

1. _____**i**_____

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

2. _____**p**_____

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

3. _____**i**_____

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

4. _____**i**_____

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

5. _____**p**_____

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

6. _____**p**_____

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

7. _____**p**_____

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

8. _____**i**_____

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

9. _____**p**_____

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

10. _____**p**_____

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

11. _____**p**_____

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

12. _____**i**_____

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

13. _____**p**_____

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

14. _____**p**_____

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

15. _____**p**_____

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

16. _____**i**_____

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

17. _____**i**_____

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

18. _____**p**_____

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

19. _____**i**_____

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

20. _____**p**_____

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