

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

- 1) A triangle with the angles: 40° , 14° and 126°
- 2) A triangle with the angles: 27° , 28° and 108°
- 3) A triangle with the angles: 28° , 67° and 62°
- 4) A triangle with the angles: 38° , 26° and 91°
- 5) A triangle with the angles: 16° , 113° and 49°
- 6) A triangle with the angles: 25° , 153° and 2°
- 7) A triangle with the angles: 121° , 32° and 7°
- 8) A triangle with the angles: 3° , 1° and 156°
- 9) A triangle with the angles: 63° , 63° and 29°
- 10) A triangle with the angles: 6° , 139° and 7°
- 11) A triangle with the sides: 3cm., 2cm. and 1cm.
- 12) A triangle with the sides: 4mm., 2mm. and 5mm.
- 13) A triangle with the sides: 8mm., 9mm. and 7mm.
- 14) A triangle with the sides: 6ft., 8ft. and 5ft.
- 15) A triangle with the sides: 2in., 9in. and 10in.
- 16) A triangle with the sides: 6mm., 7mm. and 5mm.
- 17) A triangle with the sides: 9in., 9in. and 9in.
- 18) A triangle with the sides: 8cm., 2cm. and 1cm.
- 19) A triangle with the sides: 7in., 10in. and 6in.
- 20) A triangle with the sides: 2ft., 5ft. and 6ft.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
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10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____



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Answers

1. **p**

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2. **i**

3) A triangle with the angles: 28° , 67° and 62°

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4) A triangle with the angles: 38° , 26° and 91°

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5) A triangle with the angles: 16° , 113° and 49°

5. **i**

6) A triangle with the angles: 25° , 153° and 2°

6. **p**

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8) A triangle with the angles: 3° , 1° and 156°

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10) A triangle with the angles: 6° , 139° and 7°

10. **i**

11) A triangle with the sides: 3cm., 2cm. and 1cm.

11. **i**

12) A triangle with the sides: 4mm., 2mm. and 5mm.

12. **p**

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

13. **p**

14) A triangle with the sides: 6ft., 8ft. and 5ft.

14. **p**

15) A triangle with the sides: 2in., 9in. and 10in.

15. **p**

16) A triangle with the sides: 6mm., 7mm. and 5mm.

16. **p**

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

17. **p**

18) A triangle with the sides: 8cm., 2cm. and 1cm.

18. **i**

19) A triangle with the sides: 7in., 10in. and 6in.

19. **p**

20) A triangle with the sides: 2ft., 5ft. and 6ft.

20. **p**