

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

- 1) A triangle with the angles: 5° , 113° and 41° .
- 2) A triangle with the angles: 34° , 7° and 109° .
- 3) A triangle with the angles: 122° , 9° and 44° .
- 4) A triangle with the angles: 82° , 75° and 23° .
- 5) A triangle with the angles: 46° , 4° and 117° .
- 6) A triangle with the angles: 4° , 55° and 95° .
- 7) A triangle with the angles: 134° , 39° and 7° .
- 8) A triangle with the angles: 38° , 1° and 141° .
- 9) A triangle with the angles: 62° , 50° and 43° .
- 10) A triangle with the angles: 33° , 17° and 130° .
- 11) A triangle with the sides: 3ft, 7ft and 2ft.
- 12) A triangle with the sides: 5mm, 2mm and 6mm.
- 13) A triangle with the sides: 9cm, 8cm and 7cm.
- 14) A triangle with the sides: 5mm, 7mm and 4mm.
- 15) A triangle with the sides: 7cm, 8cm and 6cm.
- 16) A triangle with the sides: 10ft, 2ft and 1ft.
- 17) A triangle with the sides: 7in, 7in and 8in.
- 18) A triangle with the sides: 8mm, 2mm and 9mm.
- 19) A triangle with the sides: 9ft, 9ft and 3ft.
- 20) A triangle with the sides: 6mm, 8mm and 9mm.

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Answers

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**