

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

- 1) A triangle with the angles: 10° , 1° and 156° .
- 2) A triangle with the angles: 26° , 152° and 2° .
- 3) A triangle with the angles: 87° , 7° and 86° .
- 4) A triangle with the angles: 26° , 17° and 133° .
- 5) A triangle with the angles: 36° , 124° and 12° .
- 6) A triangle with the angles: 125° , 30° and 2° .
- 7) A triangle with the angles: 117° , 38° and 25° .
- 8) A triangle with the angles: 113° , 29° and 22° .
- 9) A triangle with the angles: 8° , 4° and 168° .
- 10) A triangle with the angles: 39° , 93° and 32° .
- 11) A triangle with the sides: 2mm, 10mm and 1mm.
- 12) A triangle with the sides: 2in, 7in and 1in.
- 13) A triangle with the sides: 8mm, 8mm and 8mm.
- 14) A triangle with the sides: 5in, 4in and 3in.
- 15) A triangle with the sides: 3mm, 3mm and 2mm.
- 16) A triangle with the sides: 7cm, 7cm and 1cm.
- 17) A triangle with the sides: 8ft, 8ft and 3ft.
- 18) A triangle with the sides: 8ft, 5ft and 4ft.
- 19) A triangle with the sides: 9ft, 9ft and 9ft.
- 20) A triangle with the sides: 7cm, 8cm and 6cm.

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Answers

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