

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

- 1) A triangle with the angles: 10° , 154° and 4° .
- 2) A triangle with the angles: 3° , 18° and 142° .
- 3) A triangle with the angles: 89° , 25° and 54° .
- 4) A triangle with the angles: 36° , 119° and 2° .
- 5) A triangle with the angles: 39° , 87° and 44° .
- 6) A triangle with the angles: 34° , 96° and 32° .
- 7) A triangle with the angles: 40° , 87° and 32° .
- 8) A triangle with the angles: 88° , 6° and 83° .
- 9) A triangle with the angles: 94° , 33° and 24° .
- 10) A triangle with the angles: 8° , 16° and 135° .
- 11) A triangle with the sides: 10in, 10in and 1in.
- 12) A triangle with the sides: 6ft, 6ft and 6ft.
- 13) A triangle with the sides: 6cm, 2cm and 1cm.
- 14) A triangle with the sides: 7in, 4in and 3in.
- 15) A triangle with the sides: 10mm, 6mm and 5mm.
- 16) A triangle with the sides: 2ft, 8ft and 1ft.
- 17) A triangle with the sides: 3ft, 3ft and 3ft.
- 18) A triangle with the sides: 8in, 7in and 9in.
- 19) A triangle with the sides: 7ft, 9ft and 6ft.
- 20) A triangle with the sides: 10cm, 9cm and 8cm.

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Answers

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