

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

- 1) A triangle with the angles: 82° , 35° and 46° .
- 2) A triangle with the angles: 15° , 135° and 30° .
- 3) A triangle with the angles: 33° , 98° and 49° .
- 4) A triangle with the angles: 116° , 9° and 34° .
- 5) A triangle with the angles: 113° , 41° and 6° .
- 6) A triangle with the angles: 7° , 9° and 164° .
- 7) A triangle with the angles: 19° , 119° and 29° .
- 8) A triangle with the angles: 98° , 1° and 81° .
- 9) A triangle with the angles: 66° , 107° and 5° .
- 10) A triangle with the angles: 118° , 17° and 29° .
- 11) A triangle with the sides: 4cm, 4cm and 3cm.
- 12) A triangle with the sides: 6cm, 6cm and 6cm.
- 13) A triangle with the sides: 6cm, 3cm and 2cm.
- 14) A triangle with the sides: 6mm, 6mm and 8mm.
- 15) A triangle with the sides: 2mm, 5mm and 1mm.
- 16) A triangle with the sides: 2in, 6in and 1in.
- 17) A triangle with the sides: 1ft, 1ft and 1ft.
- 18) A triangle with the sides: 9cm, 8cm and 7cm.
- 19) A triangle with the sides: 10ft, 10ft and 9ft.
- 20) A triangle with the sides: 6in, 6in and 5in.

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