



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

Answers

- 1) A triangle with the angles:  $95^\circ$ ,  $53^\circ$  and  $32^\circ$ .
- 2) A triangle with the angles:  $27^\circ$ ,  $75^\circ$  and  $74^\circ$ .
- 3) A triangle with the angles:  $102^\circ$ ,  $6^\circ$  and  $56^\circ$ .
- 4) A triangle with the angles:  $140^\circ$ ,  $35^\circ$  and  $1^\circ$ .
- 5) A triangle with the angles:  $25^\circ$ ,  $8^\circ$  and  $147^\circ$ .
- 6) A triangle with the angles:  $14^\circ$ ,  $21^\circ$  and  $123^\circ$ .
- 7) A triangle with the angles:  $92^\circ$ ,  $82^\circ$  and  $6^\circ$ .
- 8) A triangle with the angles:  $1^\circ$ ,  $162^\circ$  and  $17^\circ$ .
- 9) A triangle with the angles:  $24^\circ$ ,  $50^\circ$  and  $106^\circ$ .
- 10) A triangle with the angles:  $4^\circ$ ,  $4^\circ$  and  $156^\circ$ .
- 11) A triangle with the sides: 4in, 2in and 5in.
- 12) A triangle with the sides: 10mm, 10mm and 3mm.
- 13) A triangle with the sides: 10ft, 9ft and 8ft.
- 14) A triangle with the sides: 10in, 10in and 10in.
- 15) A triangle with the sides: 6ft, 2ft and 1ft.
- 16) A triangle with the sides: 3cm, 3cm and 3cm.
- 17) A triangle with the sides: 6cm, 5cm and 4cm.
- 18) A triangle with the sides: 2mm, 2mm and 3mm.
- 19) A triangle with the sides: 7cm, 7cm and 9cm.
- 20) A triangle with the sides: 3in, 2in and 4in.

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Answers

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