



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

Answers

- 1) A triangle with the angles:  $148^\circ$ ,  $11^\circ$  and  $10^\circ$ .
- 2) A triangle with the angles:  $126^\circ$ ,  $11^\circ$  and  $43^\circ$ .
- 3) A triangle with the angles:  $43^\circ$ ,  $34^\circ$  and  $75^\circ$ .
- 4) A triangle with the angles:  $30^\circ$ ,  $1^\circ$  and  $149^\circ$ .
- 5) A triangle with the angles:  $42^\circ$ ,  $40^\circ$  and  $68^\circ$ .
- 6) A triangle with the angles:  $111^\circ$ ,  $32^\circ$  and  $21^\circ$ .
- 7) A triangle with the angles:  $73^\circ$ ,  $22^\circ$  and  $85^\circ$ .
- 8) A triangle with the angles:  $22^\circ$ ,  $90^\circ$  and  $68^\circ$ .
- 9) A triangle with the angles:  $32^\circ$ ,  $19^\circ$  and  $129^\circ$ .
- 10) A triangle with the angles:  $101^\circ$ ,  $21^\circ$  and  $52^\circ$ .
- 11) A triangle with the sides: 6ft, 9ft and 5ft.
- 12) A triangle with the sides: 3ft, 3ft and 6ft.
- 13) A triangle with the sides: 2mm, 2mm and 9mm.
- 14) A triangle with the sides: 4in, 2in and 5in.
- 15) A triangle with the sides: 4mm, 6mm and 3mm.
- 16) A triangle with the sides: 3cm, 2cm and 1cm.
- 17) A triangle with the sides: 4mm, 4mm and 7mm.
- 18) A triangle with the sides: 3in, 3in and 5in.
- 19) A triangle with the sides: 2in, 2in and 6in.
- 20) A triangle with the sides: 10in, 10in and 6in.

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Answers

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