



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

Answers

- 1) A triangle with the angles:  $38^\circ$ ,  $48^\circ$  and  $94^\circ$ .
- 2) A triangle with the angles:  $24^\circ$ ,  $42^\circ$  and  $114^\circ$ .
- 3) A triangle with the angles:  $151^\circ$ ,  $16^\circ$  and  $7^\circ$ .
- 4) A triangle with the angles:  $49^\circ$ ,  $83^\circ$  and  $48^\circ$ .
- 5) A triangle with the angles:  $93^\circ$ ,  $57^\circ$  and  $5^\circ$ .
- 6) A triangle with the angles:  $30^\circ$ ,  $70^\circ$  and  $59^\circ$ .
- 7) A triangle with the angles:  $47^\circ$ ,  $22^\circ$  and  $98^\circ$ .
- 8) A triangle with the angles:  $40^\circ$ ,  $65^\circ$  and  $51^\circ$ .
- 9) A triangle with the angles:  $50^\circ$ ,  $84^\circ$  and  $46^\circ$ .
- 10) A triangle with the angles:  $48^\circ$ ,  $33^\circ$  and  $99^\circ$ .
- 11) A triangle with the sides: 3cm, 3cm and 3cm.
- 12) A triangle with the sides: 10in, 10in and 10in.
- 13) A triangle with the sides: 3ft, 3ft and 3ft.
- 14) A triangle with the sides: 5mm, 5mm and 5mm.
- 15) A triangle with the sides: 10ft, 10ft and 9ft.
- 16) A triangle with the sides: 6cm, 6cm and 6cm.
- 17) A triangle with the sides: 9ft, 4ft and 10ft.
- 18) A triangle with the sides: 10cm, 10cm and 5cm.
- 19) A triangle with the sides: 2in, 6in and 1in.
- 20) A triangle with the sides: 5in, 5in and 5in.

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Answers

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