



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

Answers

- 1) A triangle with the angles:  $58^\circ$ ,  $11^\circ$  and  $107^\circ$
- 2) A triangle with the angles:  $3^\circ$ ,  $27^\circ$  and  $150^\circ$
- 3) A triangle with the angles:  $35^\circ$ ,  $29^\circ$  and  $106^\circ$
- 4) A triangle with the angles:  $90^\circ$ ,  $85^\circ$  and  $5^\circ$
- 5) A triangle with the angles:  $114^\circ$ ,  $21^\circ$  and  $45^\circ$
- 6) A triangle with the angles:  $39^\circ$ ,  $97^\circ$  and  $44^\circ$
- 7) A triangle with the angles:  $3^\circ$ ,  $107^\circ$  and  $70^\circ$
- 8) A triangle with the angles:  $7^\circ$ ,  $37^\circ$  and  $114^\circ$
- 9) A triangle with the angles:  $44^\circ$ ,  $28^\circ$  and  $79^\circ$
- 10) A triangle with the angles:  $46^\circ$ ,  $60^\circ$  and  $46^\circ$
- 11) A triangle with the sides: 6in., 6in. and 5in.
- 12) A triangle with the sides: 6in., 10in. and 5in.
- 13) A triangle with the sides: 4ft., 3ft. and 5ft.
- 14) A triangle with the sides: 6in., 6in. and 2in.
- 15) A triangle with the sides: 5cm., 5cm. and 8cm.
- 16) A triangle with the sides: 2mm., 4mm. and 1mm.
- 17) A triangle with the sides: 7mm., 5mm. and 4mm.
- 18) A triangle with the sides: 3in., 8in. and 2in.
- 19) A triangle with the sides: 1in., 1in. and 3in.
- 20) A triangle with the sides: 5cm., 5cm. and 5cm.

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Answers

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