



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

Answers

- 1) A triangle with the angles:  $102^\circ$ ,  $43^\circ$  and  $15^\circ$
- 2) A triangle with the angles:  $27^\circ$ ,  $108^\circ$  and  $32^\circ$
- 3) A triangle with the angles:  $7^\circ$ ,  $115^\circ$  and  $58^\circ$
- 4) A triangle with the angles:  $110^\circ$ ,  $2^\circ$  and  $52^\circ$
- 5) A triangle with the angles:  $27^\circ$ ,  $91^\circ$  and  $62^\circ$
- 6) A triangle with the angles:  $2^\circ$ ,  $1^\circ$  and  $173^\circ$
- 7) A triangle with the angles:  $92^\circ$ ,  $70^\circ$  and  $18^\circ$
- 8) A triangle with the angles:  $10^\circ$ ,  $119^\circ$  and  $51^\circ$
- 9) A triangle with the angles:  $20^\circ$ ,  $20^\circ$  and  $118^\circ$
- 10) A triangle with the angles:  $8^\circ$ ,  $3^\circ$  and  $161^\circ$
- 11) A triangle with the sides: 8mm., 5mm. and 4mm.
- 12) A triangle with the sides: 4ft., 4ft. and 4ft.
- 13) A triangle with the sides: 1in., 1in. and 8in.
- 14) A triangle with the sides: 7cm., 7cm. and 8cm.
- 15) A triangle with the sides: 2mm., 2mm. and 8mm.
- 16) A triangle with the sides: 4mm., 9mm. and 3mm.
- 17) A triangle with the sides: 10in., 2in. and 1in.
- 18) A triangle with the sides: 6ft., 10ft. and 11ft.
- 19) A triangle with the sides: 7ft., 3ft. and 2ft.
- 20) A triangle with the sides: 3mm., 3mm. and 3mm.

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Answers

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