



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

**Answers**

- 1) A triangle with the angles:  $33^\circ$ ,  $2^\circ$  and  $118^\circ$
- 2) A triangle with the angles:  $36^\circ$ ,  $10^\circ$  and  $132^\circ$
- 3) A triangle with the angles:  $120^\circ$ ,  $33^\circ$  and  $6^\circ$
- 4) A triangle with the angles:  $51^\circ$ ,  $78^\circ$  and  $51^\circ$
- 5) A triangle with the angles:  $102^\circ$ ,  $9^\circ$  and  $69^\circ$
- 6) A triangle with the angles:  $5^\circ$ ,  $11^\circ$  and  $164^\circ$
- 7) A triangle with the angles:  $81^\circ$ ,  $67^\circ$  and  $8^\circ$
- 8) A triangle with the angles:  $75^\circ$ ,  $4^\circ$  and  $97^\circ$
- 9) A triangle with the angles:  $6^\circ$ ,  $4^\circ$  and  $170^\circ$
- 10) A triangle with the angles:  $12^\circ$ ,  $2^\circ$  and  $151^\circ$
- 11) A triangle with the sides: 5cm., 9cm. and 4cm.
- 12) A triangle with the sides: 3cm., 2cm. and 4cm.
- 13) A triangle with the sides: 3mm., 4mm. and 2mm.
- 14) A triangle with the sides: 3ft., 7ft. and 2ft.
- 15) A triangle with the sides: 9mm., 9mm. and 1mm.
- 16) A triangle with the sides: 5mm., 5mm. and 8mm.
- 17) A triangle with the sides: 3cm., 2cm. and 4cm.
- 18) A triangle with the sides: 9cm., 10cm. and 8cm.
- 19) A triangle with the sides: 7mm., 5mm. and 4mm.
- 20) A triangle with the sides: 4ft., 4ft. and 3ft.

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- 20) A triangle with the sides: 4ft., 4ft. and 3ft.

Answers

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