



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

**Answers**

- 1) A triangle with the angles:  $105^\circ$ ,  $2^\circ$  and  $73^\circ$
- 2) A triangle with the angles:  $15^\circ$ ,  $25^\circ$  and  $122^\circ$
- 3) A triangle with the angles:  $40^\circ$ ,  $34^\circ$  and  $79^\circ$
- 4) A triangle with the angles:  $4^\circ$ ,  $52^\circ$  and  $124^\circ$
- 5) A triangle with the angles:  $12^\circ$ ,  $19^\circ$  and  $122^\circ$
- 6) A triangle with the angles:  $8^\circ$ ,  $147^\circ$  and  $25^\circ$
- 7) A triangle with the angles:  $37^\circ$ ,  $11^\circ$  and  $132^\circ$
- 8) A triangle with the angles:  $2^\circ$ ,  $44^\circ$  and  $113^\circ$
- 9) A triangle with the angles:  $55^\circ$ ,  $58^\circ$  and  $57^\circ$
- 10) A triangle with the angles:  $5^\circ$ ,  $174^\circ$  and  $1^\circ$
- 11) A triangle with the sides: 10mm., 10mm. and 2mm.
- 12) A triangle with the sides: 2cm., 8cm. and 1cm.
- 13) A triangle with the sides: 3mm., 3mm. and 2mm.
- 14) A triangle with the sides: 8cm., 8cm. and 4cm.
- 15) A triangle with the sides: 5ft., 9ft. and 4ft.
- 16) A triangle with the sides: 5in., 7in. and 4in.
- 17) A triangle with the sides: 2mm., 2mm. and 3mm.
- 18) A triangle with the sides: 8ft., 7ft. and 9ft.
- 19) A triangle with the sides: 9mm., 2mm. and 10mm.
- 20) A triangle with the sides: 7mm., 8mm. and 6mm.

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Answers

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