



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

Answers

- 1) A triangle with the angles:  $121^\circ$ ,  $12^\circ$  and  $47^\circ$ .
- 2) A triangle with the angles:  $1^\circ$ ,  $5^\circ$  and  $174^\circ$ .
- 3) A triangle with the angles:  $67^\circ$ ,  $2^\circ$  and  $102^\circ$ .
- 4) A triangle with the angles:  $15^\circ$ ,  $38^\circ$  and  $127^\circ$ .
- 5) A triangle with the angles:  $45^\circ$ ,  $14^\circ$  and  $101^\circ$ .
- 6) A triangle with the angles:  $16^\circ$ ,  $112^\circ$  and  $52^\circ$ .
- 7) A triangle with the angles:  $25^\circ$ ,  $141^\circ$  and  $14^\circ$ .
- 8) A triangle with the angles:  $5^\circ$ ,  $144^\circ$  and  $31^\circ$ .
- 9) A triangle with the angles:  $133^\circ$ ,  $9^\circ$  and  $34^\circ$ .
- 10) A triangle with the angles:  $76^\circ$ ,  $50^\circ$  and  $26^\circ$ .
- 11) A triangle with the sides: 3mm, 8mm and 2mm.
- 12) A triangle with the sides: 9mm, 5mm and 4mm.
- 13) A triangle with the sides: 8ft, 3ft and 9ft.
- 14) A triangle with the sides: 8ft, 2ft and 1ft.
- 15) A triangle with the sides: 10in, 2in and 1in.
- 16) A triangle with the sides: 3in, 3in and 1in.
- 17) A triangle with the sides: 6mm, 8mm and 5mm.
- 18) A triangle with the sides: 5cm, 3cm and 2cm.
- 19) A triangle with the sides: 10cm, 3cm and 2cm.
- 20) A triangle with the sides: 2mm, 10mm and 11mm.

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Answers

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