



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

Answers

- 1) A triangle with the angles:  $66^\circ$ ,  $20^\circ$  and  $79^\circ$ .
- 2) A triangle with the angles:  $3^\circ$ ,  $169^\circ$  and  $8^\circ$ .
- 3) A triangle with the angles:  $92^\circ$ ,  $46^\circ$  and  $25^\circ$ .
- 4) A triangle with the angles:  $28^\circ$ ,  $72^\circ$  and  $80^\circ$ .
- 5) A triangle with the angles:  $41^\circ$ ,  $80^\circ$  and  $32^\circ$ .
- 6) A triangle with the angles:  $1^\circ$ ,  $1^\circ$  and  $178^\circ$ .
- 7) A triangle with the angles:  $22^\circ$ ,  $121^\circ$  and  $22^\circ$ .
- 8) A triangle with the angles:  $21^\circ$ ,  $35^\circ$  and  $103^\circ$ .
- 9) A triangle with the angles:  $67^\circ$ ,  $43^\circ$  and  $40^\circ$ .
- 10) A triangle with the angles:  $41^\circ$ ,  $14^\circ$  and  $125^\circ$ .
- 11) A triangle with the sides: 4in, 4in and 6in.
- 12) A triangle with the sides: 4mm, 4mm and 4mm.
- 13) A triangle with the sides: 4ft, 8ft and 3ft.
- 14) A triangle with the sides: 7mm, 6mm and 8mm.
- 15) A triangle with the sides: 3cm, 9cm and 2cm.
- 16) A triangle with the sides: 10in, 9in and 11in.
- 17) A triangle with the sides: 6cm, 8cm and 5cm.
- 18) A triangle with the sides: 2ft, 2ft and 4ft.
- 19) A triangle with the sides: 7mm, 10mm and 6mm.
- 20) A triangle with the sides: 4ft, 4ft and 3ft.

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Answers

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