



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

Answers

- 1) A triangle with the angles:  $62^\circ$ ,  $82^\circ$  and  $36^\circ$ .
- 2) A triangle with the angles:  $4^\circ$ ,  $45^\circ$  and  $103^\circ$ .
- 3) A triangle with the angles:  $138^\circ$ ,  $18^\circ$  and  $24^\circ$ .
- 4) A triangle with the angles:  $6^\circ$ ,  $22^\circ$  and  $140^\circ$ .
- 5) A triangle with the angles:  $55^\circ$ ,  $39^\circ$  and  $71^\circ$ .
- 6) A triangle with the angles:  $76^\circ$ ,  $22^\circ$  and  $75^\circ$ .
- 7) A triangle with the angles:  $84^\circ$ ,  $46^\circ$  and  $50^\circ$ .
- 8) A triangle with the angles:  $4^\circ$ ,  $21^\circ$  and  $155^\circ$ .
- 9) A triangle with the angles:  $15^\circ$ ,  $163^\circ$  and  $2^\circ$ .
- 10) A triangle with the angles:  $23^\circ$ ,  $109^\circ$  and  $41^\circ$ .
- 11) A triangle with the sides: 4cm, 2cm and 5cm.
- 12) A triangle with the sides: 3mm, 8mm and 2mm.
- 13) A triangle with the sides: 6in, 10in and 11in.
- 14) A triangle with the sides: 9in, 9in and 1in.
- 15) A triangle with the sides: 10mm, 10mm and 4mm.
- 16) A triangle with the sides: 5in, 5in and 5in.
- 17) A triangle with the sides: 10ft, 3ft and 2ft.
- 18) A triangle with the sides: 3in, 4in and 2in.
- 19) A triangle with the sides: 3cm, 8cm and 9cm.
- 20) A triangle with the sides: 2mm, 2mm and 2mm.

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Answers

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