



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

**Answers**

- 1) A triangle with the angles:  $2^\circ$ ,  $176^\circ$  and  $2^\circ$
- 2) A triangle with the angles:  $16^\circ$ ,  $119^\circ$  and  $40^\circ$
- 3) A triangle with the angles:  $13^\circ$ ,  $96^\circ$  and  $53^\circ$
- 4) A triangle with the angles:  $134^\circ$ ,  $16^\circ$  and  $1^\circ$
- 5) A triangle with the angles:  $109^\circ$ ,  $57^\circ$  and  $14^\circ$
- 6) A triangle with the angles:  $123^\circ$ ,  $21^\circ$  and  $36^\circ$
- 7) A triangle with the angles:  $41^\circ$ ,  $56^\circ$  and  $79^\circ$
- 8) A triangle with the angles:  $35^\circ$ ,  $64^\circ$  and  $81^\circ$
- 9) A triangle with the angles:  $28^\circ$ ,  $135^\circ$  and  $17^\circ$
- 10) A triangle with the angles:  $134^\circ$ ,  $15^\circ$  and  $31^\circ$
- 11) A triangle with the sides: 5in., 9in. and 4in.
- 12) A triangle with the sides: 8mm., 9mm. and 7mm.
- 13) A triangle with the sides: 9cm., 9cm. and 3cm.
- 14) A triangle with the sides: 5in., 10in. and 11in.
- 15) A triangle with the sides: 2mm., 6mm. and 1mm.
- 16) A triangle with the sides: 3mm., 8mm. and 2mm.
- 17) A triangle with the sides: 4cm., 3cm. and 2cm.
- 18) A triangle with the sides: 10in., 4in. and 3in.
- 19) A triangle with the sides: 8in., 8in. and 10in.
- 20) A triangle with the sides: 10mm., 4mm. and 3mm.

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Answers

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