



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

- 1) A triangle with the angles:  $51^\circ$ ,  $9^\circ$  and  $120^\circ$ .
- 2) A triangle with the angles:  $126^\circ$ ,  $12^\circ$  and  $35^\circ$ .
- 3) A triangle with the angles:  $1^\circ$ ,  $2^\circ$  and  $157^\circ$ .
- 4) A triangle with the angles:  $18^\circ$ ,  $9^\circ$  and  $148^\circ$ .
- 5) A triangle with the angles:  $91^\circ$ ,  $65^\circ$  and  $10^\circ$ .
- 6) A triangle with the angles:  $89^\circ$ ,  $67^\circ$  and  $11^\circ$ .
- 7) A triangle with the angles:  $53^\circ$ ,  $94^\circ$  and  $12^\circ$ .
- 8) A triangle with the angles:  $84^\circ$ ,  $6^\circ$  and  $90^\circ$ .
- 9) A triangle with the angles:  $59^\circ$ ,  $94^\circ$  and  $1^\circ$ .
- 10) A triangle with the angles:  $57^\circ$ ,  $7^\circ$  and  $116^\circ$ .
- 11) A triangle with the sides: 7in, 7in and 7in.
- 12) A triangle with the sides: 10mm, 10mm and 10mm.
- 13) A triangle with the sides: 6mm, 2mm and 1mm.
- 14) A triangle with the sides: 2ft, 10ft and 1ft.
- 15) A triangle with the sides: 6cm, 4cm and 3cm.
- 16) A triangle with the sides: 9mm, 3mm and 2mm.
- 17) A triangle with the sides: 5in, 5in and 5in.
- 18) A triangle with the sides: 9in, 9in and 9in.
- 19) A triangle with the sides: 4in, 2in and 5in.
- 20) A triangle with the sides: 3cm, 5cm and 6cm.

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
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Answers

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