



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

- 1) A triangle with the angles:  $22^\circ$ ,  $8^\circ$  and  $130^\circ$ .
- 2) A triangle with the angles:  $14^\circ$ ,  $57^\circ$  and  $103^\circ$ .
- 3) A triangle with the angles:  $31^\circ$ ,  $131^\circ$  and  $18^\circ$ .
- 4) A triangle with the angles:  $29^\circ$ ,  $83^\circ$  and  $53^\circ$ .
- 5) A triangle with the angles:  $100^\circ$ ,  $14^\circ$  and  $66^\circ$ .
- 6) A triangle with the angles:  $53^\circ$ ,  $51^\circ$  and  $76^\circ$ .
- 7) A triangle with the angles:  $12^\circ$ ,  $73^\circ$  and  $95^\circ$ .
- 8) A triangle with the angles:  $70^\circ$ ,  $34^\circ$  and  $76^\circ$ .
- 9) A triangle with the angles:  $4^\circ$ ,  $170^\circ$  and  $6^\circ$ .
- 10) A triangle with the angles:  $46^\circ$ ,  $115^\circ$  and  $19^\circ$ .
- 11) A triangle with the sides: 6cm, 2cm and 1cm.
- 12) A triangle with the sides: 9cm, 9cm and 9cm.
- 13) A triangle with the sides: 7cm, 4cm and 8cm.
- 14) A triangle with the sides: 8cm, 6cm and 9cm.
- 15) A triangle with the sides: 9mm, 9mm and 9mm.
- 16) A triangle with the sides: 7ft, 5ft and 4ft.
- 17) A triangle with the sides: 4in, 3in and 5in.
- 18) A triangle with the sides: 5ft, 4ft and 6ft.
- 19) A triangle with the sides: 9ft, 7ft and 10ft.
- 20) A triangle with the sides: 5cm, 6cm and 4cm.

Answers

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

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