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

1) A triangle with the angles: 47°, 85° and 46°  

2) A triangle with the angles: 30°, 124° and 26°  

3) A triangle with the angles: 56°, 52° and 72°  

4) A triangle with the angles: 127°, 18° and 9°  

5) A triangle with the angles: 4°, 16° and 160°  

6) A triangle with the angles: 8°, 142° and 30°  

7) A triangle with the angles: 89°, 86° and 5°  

8) A triangle with the angles: 26°, 97° and 49°  

9) A triangle with the angles: 15°, 28° and 123°  

10) A triangle with the angles: 161°, 11° and 8°  

11) A triangle with the sides: 6ft., 6ft. and 6ft.  

12) A triangle with the sides: 9mm., 4mm. and 3mm.  

13) A triangle with the sides: 10ft., 3ft. and 2ft.  

14) A triangle with the sides: 3cm., 3cm. and 5cm.  

15) A triangle with the sides: 2cm., 10cm. and 1cm.  

16) A triangle with the sides: 4in., 2in. and 1in.  

17) A triangle with the sides: 7mm., 5mm. and 4mm.  

18) A triangle with the sides: 10cm., 7cm. and 11cm.  

19) A triangle with the sides: 6mm., 8mm. and 5mm.  

20) A triangle with the sides: 9in., 9in. and 8in.  

Answers:

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Identifying Triangle Angles and Lengths
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19) A triangle with the sides: 6mm., 8mm. and 5mm.  
20) A triangle with the sides: 9in., 9in. and 8in.

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