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

1) A triangle with the angles: 61°, 14° and 105°

2) A triangle with the angles: 18°, 123° and 39°

3) A triangle with the angles: 149°, 10° and 1°

4) A triangle with the angles: 109°, 53° and 3°

5) A triangle with the angles: 90°, 77° and 13°

6) A triangle with the angles: 29°, 109° and 42°

7) A triangle with the angles: 2°, 171° and 7°

8) A triangle with the angles: 22°, 137° and 3°

9) A triangle with the angles: 4°, 4° and 156°

10) A triangle with the angles: 87°, 16° and 77°

11) A triangle with the sides: 2in., 5in. and 1in.

12) A triangle with the sides: 8ft., 8ft. and 7ft.

13) A triangle with the sides: 7ft., 9ft. and 6ft.

14) A triangle with the sides: 5cm., 3cm. and 2cm.

15) A triangle with the sides: 7mm., 10mm. and 6mm.

16) A triangle with the sides: 6mm., 9mm. and 5mm.

17) A triangle with the sides: 9in., 7in. and 10in.

18) A triangle with the sides: 7cm., 6cm. and 8cm.

19) A triangle with the sides: 8cm., 9cm. and 7cm.

20) A triangle with the sides: 10cm., 2cm. and 1cm.
Determine if the statement is possible (p) or impossible (i).

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

**Answers**

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