

Name : _____

Score : _____

Teacher : _____

Date : _____

Triangle Inequality Theorem

State if each set of three numbers can be the lengths of the sides of a triangle.

1) 5, 13, 17

6) 11, 4, 18

2) 13, 4, 19

7) 8, 3, 7

3) 13, 5, 15

8) 7, 10, 4

4) 13, 5, 13

9) 10, 8, 19

5) 7, 4, 15

10) 7, 8, 20

Given are the lengths of two sides of a triangle. Find the range of lengths for the third side.

11) 11, 3

14) 5, 8

12) 6, 3

15) 2, 5

13) 3, 8

16) 5, 7

