

Decide whether each set of numbers is a triangle.

1) Side 1: 9 Side 2: 7 Side 3: 15	2) Side 1: 4 Side 2: 8 Side 3: 2	3) Side 1: 5 Side 2: 6 Side 3: 7
4) Side 1: 6 Side 2: 8 Side 3: 16	5) Side 1: 5 Side 2: 5 Side 3: 10	6) Side 1: 1 Side 2: 7 Side 3: 7
7) Side 1: 15 Side 2: 12 Side 3: 9	8) Side 1: 23 Side 2: 16 Side 3: 7	9) Side 1: 20 Side 2: 10 Side 3: 9
10) Side 1: 47 Side 2: 28 Side 3: 70	11) Side 1: 28 Side 2: 41 Side 3: 13	12) Side 1: 9 Side 2: 40 Side 3: 41
Write an inequality for the range the possible lengths of the third side of the triangle.		
13) 14 and 11	14) 2 and 7	15) 13 and 16
16) 12 and 5	17) 7 and 8	18) 6 and 9
Write an inequality for the range the possible lengths of the third side of the triangle.		
19) 11 and 20	20) 23 and 14	21) 5 and 17
22) 9 and 13	23) 10 and 18	24) 3 and 12