

Triangle Inequality

Name: _____

Date: _____

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

1)

15, 17, 16

2)

42, 46, 48

3)

17, 14, 13

4)

6, 12, 14

5)

3, 4, 25

6)

5, 6, 15

7)

8, 21, 18

8)

2, 4, 9

9)

6, 8, 5

10)

11, 4, 3

11)

2, 3, 2

12)

5, 4, 12

Triangle Inequality

Name: _____

Date: _____

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

1) 15, 17, 16
Yes

2) 42, 46, 48
Yes

3) 17, 14, 13
Yes

4) 6, 12, 14
Yes

5) 3, 4, 25
No

6) 5, 6, 15
No

7) 8, 21, 18
Yes

8) 2, 4, 9
No

9) 6, 8, 5
Yes

10) 11, 4, 3
No

11) 2, 3, 2
Yes

12) 5, 4, 12
No