

# Triangle Inequality

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

1)

7, 5, 11

\_\_\_\_\_

2)

14, 3, 22

\_\_\_\_\_

3)

2, 5, 10

\_\_\_\_\_

4)

15, 18, 20

\_\_\_\_\_

5)

11, 13, 25

\_\_\_\_\_

6)

4, 10, 10

\_\_\_\_\_

7)

10, 6, 17

\_\_\_\_\_

8)

5, 9, 13

\_\_\_\_\_

9)

22, 13, 2

\_\_\_\_\_

10)

9, 7, 7

\_\_\_\_\_

11)

15, 3, 6

\_\_\_\_\_

12)

14, 12, 6

\_\_\_\_\_

# Triangle Inequality

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

1)

7, 5, 11

Yes

2)

14, 3, 22

No

3)

2, 5, 10

No

4)

15, 18, 20

Yes

5)

11, 13, 25

No

6)

4, 10, 10

Yes

7)

10, 6, 17

No

8)

5, 9, 13

Yes

9)

22, 13, 2

No

10)

9, 7, 7

Yes

11)

15, 3, 6

No

12)

14, 12, 6

Yes