

Triangle Inequality

Name: _____

Date: _____

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

1) 13, 17, 21

2) 17, 3, 30

3) 32, 5, 11

4) 5, 8, 2

5) 12, 14, 28

6) 4, 19, 7

7) 11, 4, 13

8) 4, 6, 14

9) 20, 17, 5

10) 8, 9, 16

11) 15, 3, 6

12) 23, 7, 29

Triangle Inequality

Name: _____

Date: _____

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

1)

13, 17, 21

Yes

2)

17, 3, 30

No

3)

32, 5, 11

No

4)

5, 8, 2

No

5)

12, 14, 28

No

6)

4, 19, 7

No

7)

11, 4, 13

Yes

8)

4, 6, 14

No

9)

20, 17, 5

Yes

10)

8, 9, 16

Yes

11)

15, 3, 6

No

12)

23, 7, 29

No