

Triangle Inequality

Name: _____

Date: _____

For the lengths of two sides of a triangle, find the range of lengths for the third side.

1) 14, 18

$4 < x < 32$

2) 5, 9

3) 8, 13

4) 11, 15

5) 7, 13

6) 1, 6

7) 13, 19

8) 11, 17

9) 4, 10

10) 12, 16

11) 10, 16

12) 8, 3

13) 4, 9

14) 9, 4

15) 10, 6

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1) 14, 18

$$\underline{4 < x < 32}$$

2) 5, 9

$$\underline{4 < x < 14}$$

3) 8, 13

$$\underline{5 < x < 21}$$

4) 11, 15

$$\underline{4 < x < 26}$$

5) 7, 13

$$\underline{6 < x < 20}$$

6) 1, 6

$$\underline{5 < x < 7}$$

7) 13, 19

$$\underline{6 < x < 32}$$

8) 11, 17

$$\underline{6 < x < 28}$$

9) 4, 10

$$\underline{6 < x < 14}$$

10) 12, 16

$$\underline{4 < x < 28}$$

11) 10, 16

$$\underline{6 < x < 26}$$

12) 8, 3

$$\underline{5 < x < 11}$$

13) 4, 9

$$\underline{5 < x < 13}$$

14) 9, 4

$$\underline{5 < x < 13}$$

15) 10, 6

$$\underline{4 < x < 16}$$