



Triangle Inequality Theorem

Math

Name _____ Class _____ Date _____

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

10.5, 13.2, 20.2

5, 3, 6

13.5, 18.6, 30.4

7, 18, 40

15, 14, 23

12.4, 10.7, 18.2



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

10.5, 12.0

17, 18

10.0, 9.7

11, 24

13.5, 8.4

4, 5



Triangle Inequality Theorem - Answer Key

Math

Name _____ Class _____ Date _____

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

10.5, 13.2, 20.2

Yes

5, 3, 6

Yes

13.5, 18.6, 30.4

Yes

7, 18, 40

No

15, 14, 23

Yes

12.4, 10.7, 18.2

Yes



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

$$3 < x < 39$$

$$8 < x < 30$$

$$5.8 < x < 44.0$$

10.5, 12.0

$$1.5 < x < 22.5$$

17, 18

$$1 < x < 35$$

10.0, 9.7

$$0.3 < x < 19.7$$

11, 24

$$13 < x < 35$$

13.5, 8.4

$$5.1 < x < 21.9$$

4, 5

$$1 < x < 9$$