

Algebra 2
Unit: Linear and Quadratic Functions
Section: Solving Linear Equations and Inequalities

Flashcard Activity: Absolute Values

Directions: Solve each absolute value problem and then check your answers below.

1. Solve 4 times the quantity of the absolute value of x plus 8 equals 44.
2. Solve the absolute value of x minus 1 equals 4.
3. Solve the absolute value of $3x$ minus 4 is less than 9.
4. Solve the absolute value of negative $6x$ is greater than or equal to 30.

Answers:

1. $x = 3$ or $x = \text{negative } 19$
2. $x = \text{negative } 3$ or $x = 5$
3. x is less than thirteen thirds and x is greater than negative five thirds
4. x is less than or equal to negative 5 or x is greater than or equal to 5