

Equations and Their Solutions

For the most part, we...

..._____ numeric expressions. (ex: $-4^2 \div 2 \cdot 3 + 7$)

..._____ algebraic expressions. (ex: $3x + 2x$)

..._____ equations. (ex: $5x = -10$)

In this chapter, we'll focus on solving equations. Equations are statements that can either be true (ex: $2 + 3 = 5$) or false (ex: $1 = 2$). Solving an equation means finding value(s) for the variable(s) that make the equation _____.

Once we have a solution, we can check it by plugging it into the equation. If it makes the equation true, then it's a solution.

Ex 1.

Check if 2 is a solution to $5m - 29 = -8m - 4$.

Ex 2.

Check if -2 is a solution to $x^2 - 3x - 2 = |x^3|$.