

Expressions and Equations

Equation: Mathematical sentence formed by placing $=$ between 2 expressions.

Ex. $5x + 2 = 3y - 4$

Expression: Mathematical sentence that does not have an equal sign

Ex. $5x + 2$

Variable: A symbol that represents one or more #s.

Ex. $3x$ ^{variable}

Evaluate: To find the value of an expression. Ex. $(4x) + 3 - 4 + (2x)$
 $6x + -1$

Solution: Any value or values that makes an equation true. Ex. $2x + 2 = 4$

$$\begin{array}{r} -2 \\ -2 \end{array}$$

$$\frac{2x}{2} = \frac{2}{2}$$

$$\boxed{x = 1}$$

Like Terms:

Terms that have the same variable(s)

Ex. $5x + 9y + 3x$

↑ ↑
like terms