

Unit 4 Glossary Terms

term

A term is a part of an expression. It can be a single number, a variable, or a number and a variable that are multiplied together.

For example, the expression $5x + 18$ has two terms. The first term is $5x$ and the second term is 18.

coefficient

A coefficient is a number that is multiplied by a variable.

Constant term

In an expression like $5x + 2$, the number 2 is called the constant term because it doesn't change when x changes.

In the expression $7x + 9$, 9 is the constant term.

In the expression $5x + (-8)$, -8 is the constant term.

In the expression $12 - 4x$, 12 is the constant term.

System of equations

A system of equations is a set of two or more equations. Each equation contains two or more variables. We want to find values for the variables that make all the equations true.

These equations make up a system of equations:

$$\begin{cases} x + y = -2 \\ x - y = 12 \end{cases}$$

The solution to this system is $x = 5$ and $y = -7$ because when these values are substituted for x and y , each equation is true: $5 + (-7) = -2$ and $5 - (-7) = 12$.