

SOLVING LINEAR EQUATIONS

Linear equations are equations that have two variables.

- When graphed, a linear equation is a straight line. Although the standard equation for a line is $y = mx + b$, where m is the slope and b is the y -intercept, linear equations often have both of the variables on the same side of the equal sign.
- Linear equations can be written verbally and translated into algebraic form.
- Linear equations can be **solved** for one variable when the other variable is given.



PREVIEW

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- For example, what is 'twice a number is increased by another number is sixty-one' in algebraic form?

Ex. twice a number $\rightarrow 2x$
 increased by another number $\rightarrow + y$
 is sixty-one $\rightarrow = 61$

The result is $2x + y = 61$

