

Below is an equation.

Try to determine the name of each part of the equation.

Flip up the flap that hides the name of that part of the equation. Were you right?

Isolate the y on one side of the = sign

Research: What does it mean to put an equation into y intercept form?

$$12x = 3y + 9$$

Copy & undo....  $12x - 9 = 3y + 9 - 9$

Simplify...  $12x - 9 = 3y$

Copy & undo....  $\frac{(12x - 9)}{3} = \frac{3y}{3}$

Simplify...  $\frac{12x}{3} - \frac{9}{3} = y$

Simplify...  $4x - 3 = y$

Satisfy the equation if  $x = 2$  &  $y = 5$   $(4) 2 - 3 = 5$  or  $5 = 5$

VOCAB:

Conditional equation: A statement of equality in two variables that is satisfied by certain pairs of values for the two variables.

Equation: both sides of the = have the same value.

Determine: find out.

Isolate: to get it by its self.

Satisfied: solved for using the correct answer.

Cut a 3 sided flap around each part of the equation above.  
Cut out the labels below and paste or tape them behind the correct part of the equation above. Students will see the label of the equation part upon lifting the flap.

VARIABLE

VARIABLE

COEFFICIENT

ADDITION

EQUATION

CONSTANT

CONSTANT

COEFFICIENT

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