

## MODULE 3 NOTES CARDS

*Fold along this center line*

<u>Standard Form</u>	$Ax + By = C$
<u>X - Coordinate</u>	Input (Independent)
<u>Y - Coordinate</u>	Output (Dependent)
<u>Slope</u> <u>Intercept Form</u>	$Y = mx + b$

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Slope

Rate of Change  
"per" "each"  
rise over run

y-intercept

Start  
Initial  
Beginning

Solve for  
x-intercept

Plug in zero for y  
 $Y = 0$

Solve for  
y-intercept

Plug in zero for x  
 $x = 0$

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<u>Equation for Slope</u>	$M = \frac{y_2 - y_1}{x_2 - x_1}$
<u>Y = #</u>	Horizontal Line M (slope) = 0
<u>X = #</u>	Vertical Line M (slope) = undefined
<u>Center of the Coordinate System</u>	Origin (0,0) [x and y intercept]