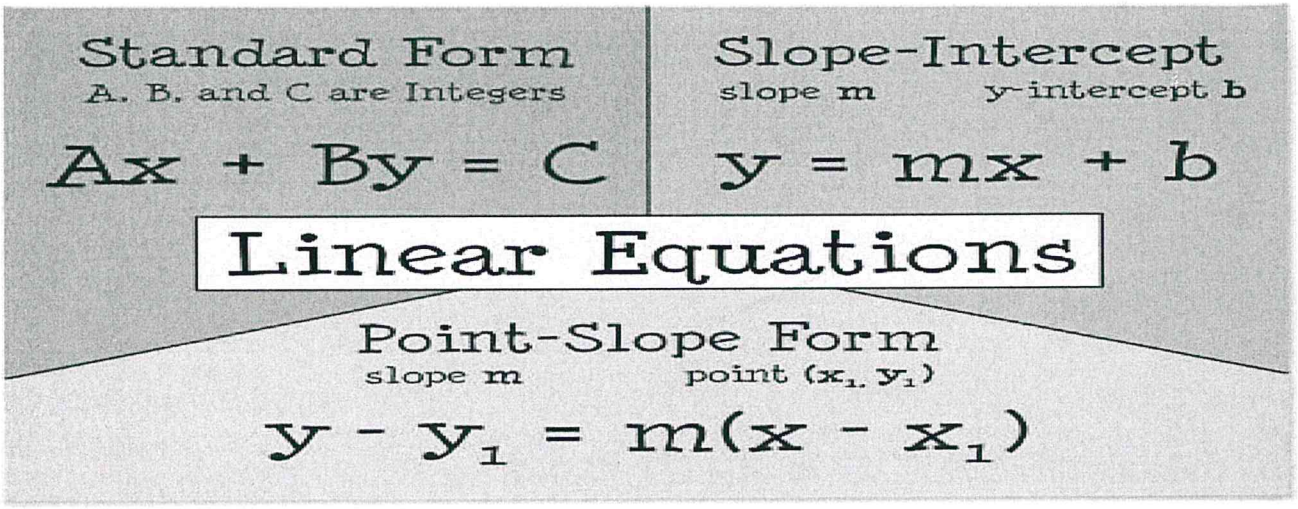

Special Conditions:

Parallel lines: have the same slope

Perpendicular lines: have opposite and reciprocal slope

Examples: if an equation has a slope of -3, the parallel M = -3, perpendicular M = 1/3

Special Lines:

Horizontal: m = 0, equation looks like y = y-int (where goes through the y axix) there is no x in equation

Vertical: m = undefined, equation: x = x-int, is no y in equation

Slope equation: $y = \frac{\Delta y}{\Delta x} = \frac{Y2-Y1}{X2-X1}$

To Graph: if in

a. standard form (Ax + By = C) use the intercept method

Create a table

X	Y
0	
	0

solve to find the y intercept replacing x with 0

Graph both points

Solve to find the x intercept replacing y with 0

b. Slope intercept form (y = mx + b)
1st use the b (which is the y-intercept) plot point on y axis
2nd move to 2nd point the slope (m) using top number as the up/ down on y, bottom as rt/left on x.