

NOTE CARD

SOLVING	GRAPHING	WRITING EQUATIONS	SYSTEMS OF EQUATIONS
	$y = mx + b$ b: y-intercept 1) Plot the y-int 2) From the y-int move up or down then right (slope=m)	POINT SLOPE $y = y_1 + m(x - x_1)$ SLOPE-INT 1) Distribute then collect like terms	GRAPHING METHOD - Graph and find intersection - Solve for y
	$Ax + By = C$ * Cover up y term to get x-int * Cover up x term to get y-int	STANDARD FORM 1) NO FRACTIONS 2) X TERM POSITIVE 3) x and y on same side	Substitution Method 1) solve either equation for x or y then substitute into the other equation
	$x =$ Vertical Line $y =$ Hor. Zontal Line	Parallel - Same slope Perpendicular - opposite reciprocal	Elimination Method 1) multiply one or both equations by a # to eliminate a variable