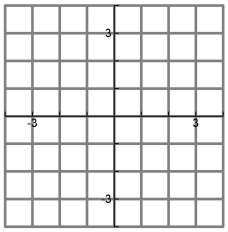
TERMS AND SYMBOLS
GRAPHING I

Name_____

Partner Name _____

The following terms and symbols have been introduced in this unit.
Write the correct term or symbol on the line to the left of the matching definition.
Give a written example using the graph grid or the line to the right of the matching definition.

rise	origin	quadrant	solution to an equation
x-axis	graph	linear equation	Cartesian coordinate system
slope m	y-intercept	ordered pair (x,y)	standard form of a linear equation
run	y-coordinate	slope-intercept form	graph of an equation
y-axis	x-coordinate	point-slope form	x-intercept

Term or Symbol	Definition	Example
_____	number plane formed by horizontal and vertical number lines	
_____	horizontal number line representing values of x variable	
_____	vertical number line representing values of y variable	
_____	intersection of horizontal and vertical number lines at x=0 and y=0	
_____	x and y axes separate the number plane into four regions	
_____	values of x and y variables - represent the corresponding point in the number plane	_____
_____	value of the x variable - horizontal distance from the origin	_____
_____	value of the y variable - vertical distance from the origin	_____
_____	set of points in the number plane	_____
_____	values of variables which make an equation true	_____
_____	points in the number plane representing the solutions of an equation	_____
_____	graph of solutions forms a straight line	_____
_____	point where graph meets the x-axis - has form (x,0)	_____
_____	point where graph meets the y-axis - has form (0,y)	_____
_____	vertical change between two points $\Delta y = y_2 - y_1$	_____
_____	horizontal change between two points $\Delta x = x_2 - x_1$	_____
_____	$\frac{\text{rise}}{\text{run}} = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$	_____
_____	$Ax + By = C$	_____
_____	$y = mx + b$	_____
_____	$y - y_1 = m(x - x_1)$	_____