

Linear Equations WS

Name _____

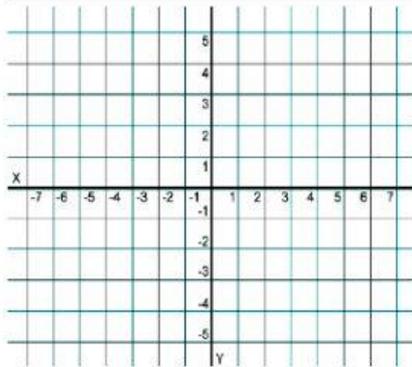
Date _____ Period _____

Use what is given to find the following:

- Slope ($m = \frac{y_2 - y_1}{x_2 - x_1}$) • x-intercept • y-intercept • Graph the Equation
- Write in Standard Form ($Ax + By = C$) • Write in slope-intercept Form ($y = mx + b$)
- Identify a third point and write in Point-Slope Form ($y - y_1 = m(x - x_1)$)

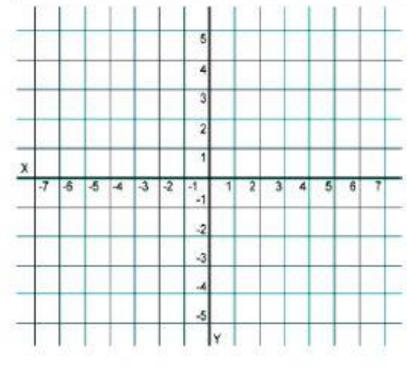
1. (1, 2), (-1, -4) Find the Slope

$m =$



2. $3y + 2x = -12$. Find the Slope

$m =$

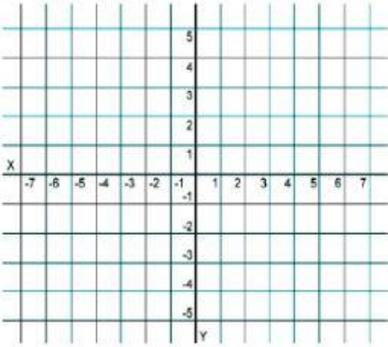


Slope-Intercept Form	
Standard Form	
m	
y-intercept	
x-intercept	
Third Point	
Pt-Slope Form	

Slope-Intercept Form	
Standard Form	
m	
y-intercept	
x-intercept	
Third Point	
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3. $y = -2x - 3$

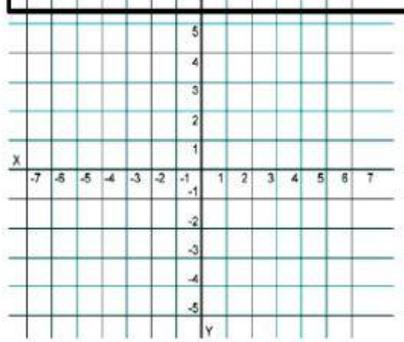
$m =$



Slope-Intercept Form	
Standard Form	
m	
y-intercept	
x-intercept	
Third Point	
Pt-Slope Form	

4. x-intercept = -2
y-intercept = -4

$m =$



Slope-Intercept Form	
Standard Form	
m	
y-intercept	
x-intercept	
Third Point	
Pt-Slope Form	