Linear Equations WS

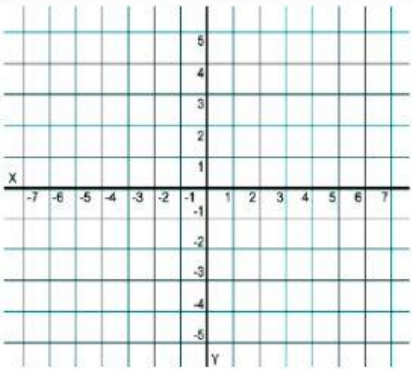
Name _____
Date _____ **Period** _____

Use what is given to find the following:

- *Slope* $\left(m = \frac{y_2 - y_1}{x_2 - x_1}\right)$
- *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

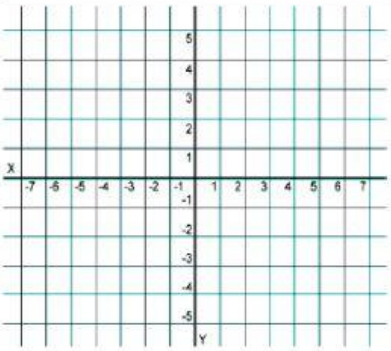
$m =$



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

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

$m =$

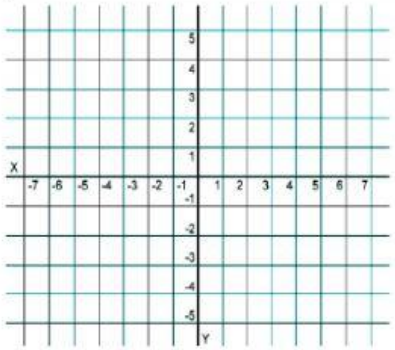


Slope-Intercept Form	
Standard Form	
m	
y-intercept	
x-intercept	
Third Point	
Pt-Slope Form	

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3. y = -2x - 3

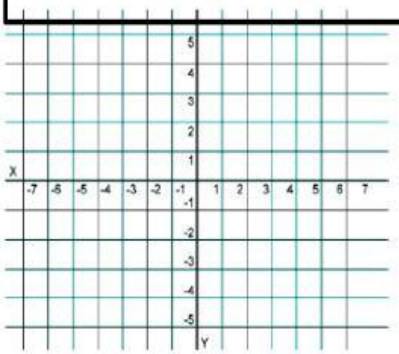
$m =$



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	

LIVEWORKSHEETS