

Name Key

slope-intercept form:  
 $y = mx + b$

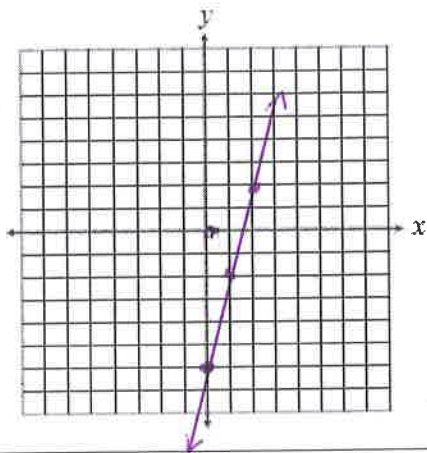
**QUIZ STUDY GUIDE 3/14/19**

**Graph each line. Give the slope-intercept form for all standard form equations.**

1.  $y = 4x - 6$

$m = \frac{4}{1}$

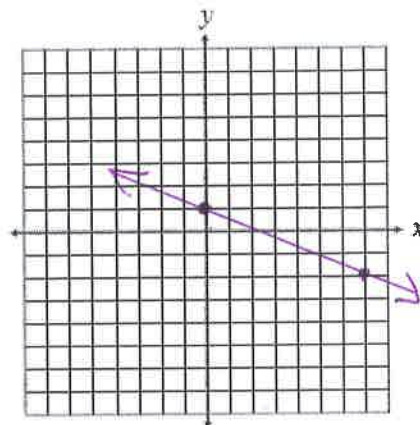
$b = -6$



2.  $y = -\frac{3}{7}x + 1$

$m = -\frac{3}{7}$

$b = 1$



3.  $x + y = 3$

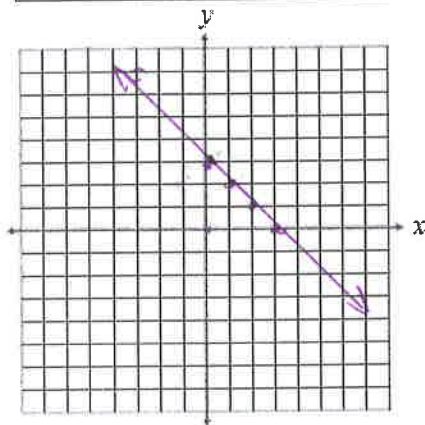
$y = -x + 3$

$m = -\frac{1}{1}$

$b = 3$

**Slope-Intercept Form**

$y = -x + 3$



4.  $-x + 3y = 15$

$y = \frac{1}{3}x + 5$

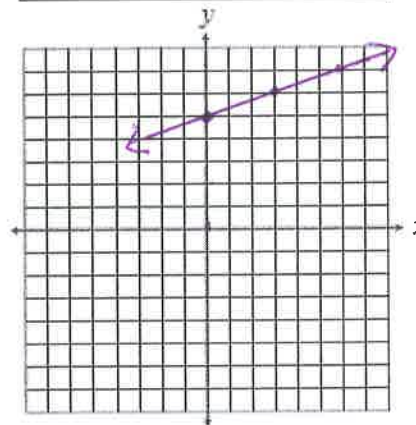
$y = \frac{1}{3}x + 5$

$m = \frac{1}{3}$

$b = 5$

**Slope-Intercept Form**

$y = \frac{1}{3}x + 5$



5.  $5x + 2y = -14$

$y = -\frac{5}{2}x - 7$

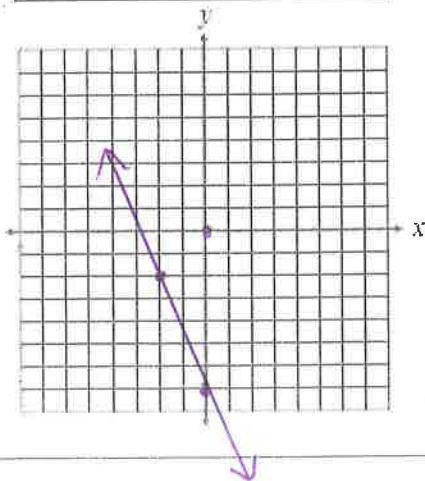
$y = -\frac{5}{2}x - 7$

$m = -\frac{5}{2}$

$b = -7$

**Slope-Intercept Form**

$y = -\frac{5}{2}x - 7$



6.  $2x - y = 0$

$y = 2x + 0$

$y = 2x + 0$   
 $y = 2x$

$m = \frac{2}{1}$

$b = 0$

**Slope-Intercept Form**

$y = 2x + 0$

