

Slope-Intercept form : $y = mx + b$

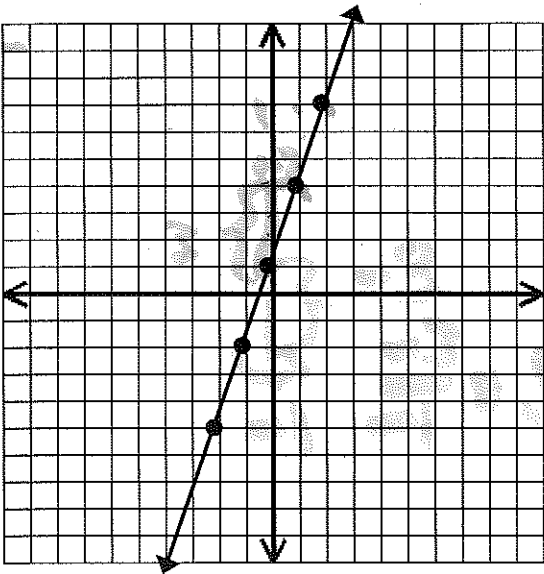
m : slope
 b : y-intercept

NOTES FOR GRAPHING MATCH-UP

~~Whole numbers are over 1~~

1. $y = 3x + 1$

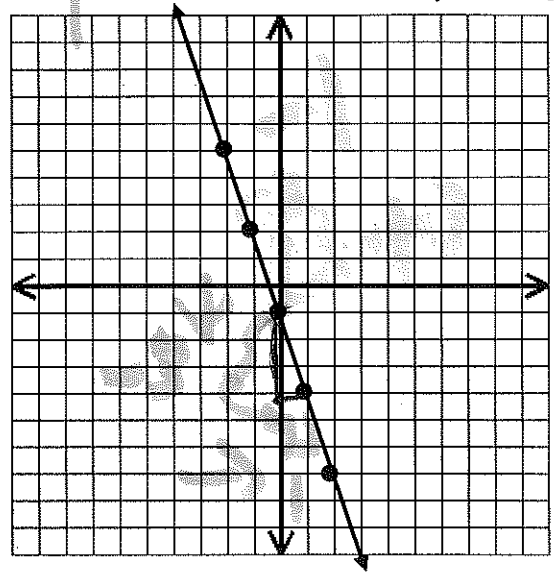
$m: 3$
 $b: +1$



2. $y = -3x - 1$

$\frac{\text{rise}}{\text{run}} = \frac{-3}{1} \downarrow 3$
 $\rightarrow 1$

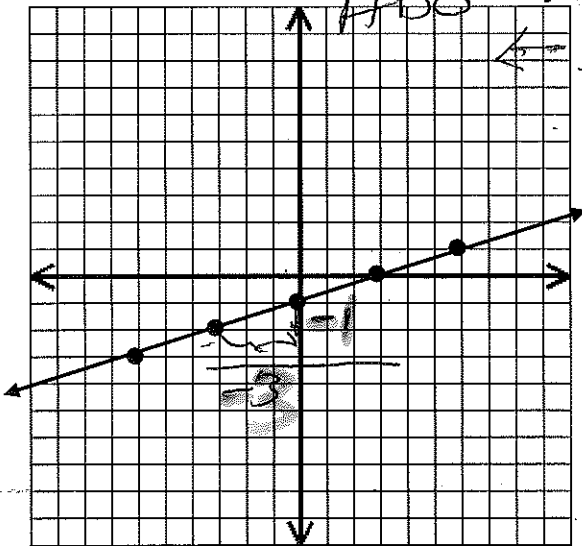
1. Start at b
2. Use m



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

$m: \frac{1}{3}$ $\uparrow 1$
 $\rightarrow 3$

Also $\downarrow 1$
 $\leftarrow 3$



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

$m: \frac{1}{3}$ $\downarrow 1$
 $\rightarrow 3$

OR $\uparrow 1$
 $\leftarrow 3$

