

Name Key
Mrs. Roubos

Date _____
8R Period _____

$$y = mx + b$$

m b
↑ ↑

Do Now

Find the slope and the y-intercept of the following equations:

1) $y = 3x - 2$

$m: 3$

$B: -2$

2) $y = -4x + 6$

$m: -4$

$B: 6$

3) $2y = 8x + 6$

$y = 4x + 3$

$m: 4$

$B: 3$

4) $y + 5x = 7$

$-5x \quad -5x$

$y = -5x + 7$

$m: -5$

$B: 7$

5) $3x - 6y = 12$

$-3x \quad -3x$

$\frac{-6y}{-6} = \frac{-3x + 12}{-6}$

$y = \frac{1}{2}x - 2$
 $m = \frac{1}{2}$
 $B = -2$