

8

x_1	y_1	x_2	y_2
$(-2, 8)$		$(-4, 13)$	
x	y		

STEP 1: $m = \frac{y_2 - y_1}{x_2 - x_1}$

$$m = \frac{(13) - (8)}{(-4) - (-2)}$$

$$= \frac{5}{-4 + 2}$$

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

STEP 2: $y = mx + b$

$$8 = \frac{5}{-2}(-2) + b$$

$$8 = 5 + b$$

$$8 - 5 = b$$

$$3 = b$$

STEP 3: $y = mx + b$

$$y = -\frac{5}{2}x + 3$$

9

$(-1, 3)$ $(5, 3)$

$$y = 3$$

10

$(-2, 5)$ $(-2, 7)$

$$x = -2$$