

Writing Equation of Line in Slope-Intercept Form
Given 2 Points

1. _____

2. _____

Write an equation in slope-intercept form for the line going through the given points.

1. $(1, 1), (2, 3)$

$m =$ _____

$b =$ _____

2. $(0, 7), (-1, -2)$

$m =$ _____

$b =$ _____

3. $(-3, -4), (-5, -6)$

$m =$ _____

$b =$ _____

4. x- intercept: -3 ; y – intercept: 1

$m =$ _____

$b =$ _____

2 Special Cases

Horizontal Line

Slope = _____

Equation: _____

1. (-4 , 5) , (2 , 5)

m = _____

b = _____

2. (7 , -2) , (-1 , -2)

m = _____

b = _____

Vertical Line

Slope = _____

Equation: _____

1. (3 , -2) , (3 , 4)

m = _____

b = _____

2. (-1 , 7) , (-1 , -3)

m = _____

b = _____

