

What is the formula for calculating slope?

$$\text{slope, } m =$$

Write the equation for
POINT-SLOPE FORM: _____ $m =$ _____ $(x_1, y_1) =$ _____

Write the equation for
SLOPE- INTERCEPT FORM: _____ $m =$ _____, $b =$ _____

Write the equation of the line in slope intercept form with the given slope and y-intercept.

1) slope: -2 $m =$ _____ $b =$ _____ 1. _____
y-int: (0,3)

2) slope: 4 $m =$ _____ $b =$ _____ 2. _____
y- int: (0,-4)

3) slope: $\frac{3}{4}$ $m =$ _____ $b =$ _____ 3. _____
y-int: (0,-2)

Write an equation in *point slope and slope intercept form* of a line that passes through the given point and has the given slope m .

4.) $(-3, -4); m = -\frac{1}{2}$ 4. Point-slope form _____
Slope-intercept form _____

5.) $(5, -6); m = -1$ 5. Point-slope form _____
Slope-intercept form _____

6.) $(0, -3); m = \frac{4}{3}$ 6. Point-slope form _____
Slope-intercept form _____