What is the formula for calculating slope?

slope,
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

Write the equation for

POINT-SLOPE FORM:
$$(y-y) = m(x-x)$$
 $m = Slope$ $(x_1, y_1) = m(x_2, y_1) = m(x_2, y_2) = m(x_1, y_2) = m(x_2, y_2) = m(x_2, y_2) = m(x_1, y_2) = m(x_2, y_2$

Write the equation for

SLOPE- INTERCEPT FORM: $\sqrt{-m} \times + b$ $m = \sqrt{-m}$

, b = 4-intercept

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

1) slope: -2 y-int: (0,3)

m = -2 b = 3 1. $(4 - 2) \times + 3$

2) slope: 4 y- int: (0,-4)

m=4 b=-4 2. $y=4\times-4$

3) slope: $\frac{3}{4}$ y-int: (0,-2)

 $m = \frac{3}{4}$ b = -2 3. $y = \frac{3}{4} \times -2$

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. Point-slope form $4+4=\frac{1}{2}(x+3)$

Slope-intercept form $\sqrt{} = \frac{1}{2} \times -\frac{11}{2}$

5.) (5,-6); m=-1

5. Point-slope form 46 - (x-5)

6.) (0, -3); $m = \frac{4}{3}$

6. Point-slope form $3 + 3 = \frac{3}{3}(x - 0)$

Slope-intercept form $4 - \frac{4}{3} \times -3$