Algebra 1: 4.0 Intro   Name_____

Writing an Equation in Slope-Intercept Form   Date_____   Period_____

Given the slope and y-intercept, write an equation in slope-intercept form.

1) Slope = −5,   y-intercept = 3

2) Slope = $\dfrac{3}{2}$,   y-intercept = −2

Given a point and the slope, write an equation in slope-intercept form.

3) through: $(2, 4)$,   slope = 1

4) through: $(4, 3)$,   slope = $\dfrac{5}{4}$

Write each of the equations in slope-intercept form.

5) $x + 8y = -16$

6) $x - y = -7$

7) $y + 2 = -\dfrac{3}{4}(x - 3)$

8) $y - 5 = \dfrac{6}{5}x$

9) $-3x = 3 + y$

10) $2 = -y - 2x$

Given two points, write an equation in slope-intercept form.

11) through: $(-3, 0)$ and $(4, 1)$

12) through: $(0, 2)$ and $(3, 4)$