Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

# WS 5-2

# Writing Linear Equations

*Write the slope-intercept equation of the line through the given point with the given slope.*

1) through: (1, 2), slope = 7 2) through: (3, −1), slope = −1

3) through: (2, 5), slope = undefined 4) through (3, 1): slope =

5) through (4, 2), parallel to 6) through: (-3, -3), parallel to

7) The point-slope form of an equation is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Write an equation in point-slope form of the line that passes through the given points*

8) (1, 5), (-1, -5) 9) (-3, -2), (-3, -8)

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

10) (8, -1), m = 0 11) (-3, 4), m = 6