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

# 5 – 3 Writing Linear Equations HOMEWORK

*Decide which method of writing a line would be best and explain why.*

1. (3, 7) (8, 11) 2. (-2, 1) m = 75 3. m = -1 b = 5

*Change the following lines from point-slope to slope intercept.*

4) y – 3 = -2(x – 7) 5) y +8 = 1/3(x + 3)

*Write the equation of the line with the given information*

6) through: (3, 5), slope = undefined 7) through (3, 4): slope =



8) through (4, 3), slope = 0 9) through: (-3, 0), slope = -9

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

10) (1, -5), (-1, -5) 11) (3, -2), (-3, -8)