**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Assignment 1-3 Review of Linear Equations in Two Variables**

**Write an equation for the line containing the indicated points.**

1. (0,0) and (3,30) 2. (4,-8) and (3,-6)

3. ( and (3, 

**Write an equation in slope-intercept form for the line that has the indicated slope, m, and contains the given point.**

4. m = -4, (5,-3) 5. m = 0, (-7,8)

6. m = -, (5,-4)

**Write a linear equation to model each table of values. For each equation, state what the slope represents.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7. Hours | Miles | 8. Items | Cost ($) | 9. Hours | Parking Fee $ |
| 3 | 135 | 4 | 14.00 | 3 | 6.50 |
| 5 | 225 | 7 | 21.50 | 7 | 12.50 |

7. y = 8. y = 9. y =

**Write an equation in slope-intercept form for the line that contains the given point and is parallel to the given line.**

10. (-2,3), y = -3x + 2 11. (-6,2), y = 

12. (3, 0), -x +2y = 17

**Write an equation in slope-intercept form for the line that contains the given point and is perpendicularo to the given line.**

13. (-2,5), y = -2x + 4 14. (0,-5), y = x – 5

15. (2,5), 2x + 5y = 15