

Skills Maintenance #9  
 Linear Graphs

\_\_\_\_\_ 15 pts.

Name \_\_\_\_\_  
 Pd \_\_\_\_\_ Date \_\_\_\_\_

Complete the table and graph.

	Equation	Slope	Y-intercept	Graph
1.	$x + y = -2$			
2.	$x - y = 4$			
3.	$2x + y = 6$			
4.	$x + 2y = 6$			
5.	$3y = x + 9$			
6.	$y = \frac{3x - 8}{2}$			

Write the equation of the line: (Show your work.)

7. With slope of 4 and y-intercept of -9 \_\_\_\_\_

8. With slope of 2, through (-2, 4) \_\_\_\_\_

9. Through (0, 2) and (1,5) \_\_\_\_\_

10. Through  $(-3, 3)$  and  $(7, -7)$

\_\_\_\_\_

11.  $m = (2/3)$  through  $(5, -4)$

\_\_\_\_\_

12. Through  $(-5, -3)$  and  $(8, 9)$

\_\_\_\_\_

13. With  $x$ -intercept of 3 and  $y$ -intercept of 2

\_\_\_\_\_

14. Passing through  $(0, 2)$  and parallel to  
 $6x - 2y = 1$

\_\_\_\_\_

15.  $-7x + 8y = 20$

$x$ -intercept: \_\_\_\_\_

$y$ -intercept: \_\_\_\_\_