

Name _____ Date _____

Algebra _____ Period _____

Review for TEST

Mid Chapter 4: Graphing Linear Equations

Show all work on graph paper. (10 points each)

1. Graph the following 5 points: $(-6, 1)$, $(5, 2)$, $(-4, -3)$, $(6, -4)$, $(5, 5)$
2. $y = 4x - 1$ Using a table of values, select 3 x -coordinates and determine the corresponding y -coordinates. Show your work, then graph the line.
3. $2x - 2y = 4$ Using a table of values, select 3 x -coordinates and determine the corresponding y -coordinates. Show your work, then graph the line.
4. $2x + 3y = 18$ Graph this equation using intercepts. (First calculate your x and y intercepts, then graph the line) Show all work.
5. $-3x + 9y = 27$ Graph this equation using intercepts. (First calculate your x and y intercepts, then graph the line) Show all work.
6. Write the slope formula used to calculate the slope of a line when given 2 points on the line.
7. Calculate the slope of the line passing through the following points: $(-4, 1)$, $(2, 0)$. Show the formula and all work.
8. Calculate the slope of the line passing through the following points: $(4, 2)$, $(3, -5)$. Show the formula and all work.
9. $y = 3x + 6$ Determine the slope and the y -intercept.
10. Graph the equation from question #9 $y = 3x + 6$