Name: _____ Algebra
Date: _____ Review
Class: _____ Graded Homework 9

Show all of your work for every problem. The numbers in the brackets are the points that each problem is worth. Multiple Choice Problems are worth 3.
NO WORK = ZERO CREDIT

1) [2] Is the point (2, 4) a solution to the inequality $7y - 2x > 20$?

2) [2] Graph the following inequality on the x-y axis: $y < -3$

3) [4] Tim, Joe, and Bob all collect classic cars. Joe has 4 less than twice as many cars as Tim. Bob has 6 more cars than Tim does. All together they have 9 more than 3 times as many cars as Tim has by himself. How many cars does Bob have?

4) [3] Evaluate when c = -2 and a = -1: $\frac{2ac-c^2+2a^2}{6-c-3a}$

5) [3] Solve: 10x – (6 – 3x) – 42 = 82 – 7x – (10 – 4x)

6) [4] Graph both equations and state the point of intersection if on exists:

$7x = 6y + 32$ and $6x + 3y = 3$

7) [3] Simplify: $8x - \frac{6x-3}{3} + 10 - (3x + 6)$

8) [2] Bob divides 102 by ½ and gets 51. Why does Bob's answer not make sense?

9) [3] Could the following 3 points be reprsented by a linear equation?

(1, 4), (8, 10), (-13, -8)