**Extra Credit 5 – 8**

**Extra #5**

**Solve and graph the solution set:**

**1.** -8 3y – 20 < 52 **2.** | y + 5 | < 2 **3.** | x – 8 | 3

**4.** | 3x – 2 | < -2 **5.** 7 - | 2x | > 5 **6.** 2 | 4x | - 9 3

**Extra #6**

**Find the x and y intercepts of the graph and draw the graph:**

**1.** 2x – y = 5 **2.** 3x = 4y – 5 **3.** 5x + 2y = 6

**Find the slope of the line that passes through the points**.

**4.** (3, -8), -5, 2) **5.** (-10, -3), (7, 2) **6.** (8, 2), (8, -1)

**Extra #7**

**Write an equation of a line, in slope-intercept form, that satisfies each given condition.**

**1**. Passes through (4, 3) and (7, -2) **2.** Passes through (-6, -3) and (-8, 4)

**3.** passes through (3, 11) and (-6, 5) **4.** Passes through (7, 2) and (3, -5)

**5.** x-intercept is 3, y-intercept is 2 **6.** x=intercept is -5, y-intercept is 7

**Extra #8**

**Graph the following functions on your calculator using an appropriate window, then draw them on your paper and label correctly. Find the y-intercept and estimate any x-intercepts.**

**1.** y = - 5x  **2.** y = **3.** y = -(x – 9)