**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**AU4: Systems of Equations Unit Review**

What is the **solution set** to the following system of linear equations?

If there is *no solution* or *infinitely many*, explain why.



**#1.** y = 2x - 8

 y = - ½ x + 2



**#2.** 

**Solve the following systems of equations algebraically.**

**Show all work**

**#3.** 

**#4.** 

**Bonus:**

 **#5.** 

**Write a system of linear inequalities for the graph shown below.**

**#7. *(3 pts)***

 -5 -4 -3 -2 -1 1 2 3 4 5

 6

 5

 4

 3

 2

 1

-1

-2

-3

-4

**Solve the system of linear inequalities by graphing. *(4 pts)***

**#8.** 