Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework:** March 21st, 2013 – **Systems of Equations**

**Directions:** Solve each system of equations. Write no solution or infinitely many solutions where appropriate.

1. When looking at two equations, identify how you can tell if it has infinitely many solutions, no solution, or one solution.
2. y = 5x – 2 & y = x + 6
3. y = 2x – 4 & y = x +2
4. y = x + 2 & y = -x +2
5. y = 3x + 2 & y = 3x – 4

1. y = 2x + 1 & 2y = 4x + 2
2. y = x – 3 & y = -x + 3
3. y = 5x + 1 & y = x – 3
4. y = x – 5 & y = 4x + 1
5. y = 3x – 1 & y = 3x – 4
6. y = 3x – 1 & y = -2x +4
7. y = x – 1 & y = -x + 7
8. y = 4x + 7 & y = -3x
9. 3x + y = 6 & 2x – y = (3/2)
10. 3x – 6y = 12 & 2x – 4y = 8
11. 4x + y = 6 & y = -4x - 1