SEW Math 090 **Summer 2016**

Worksheet 3.1: Systems of Linear Equations by Graphing

Solve the systems of equations by graphing. Indicate whether each system has a unique solution, no solution, or an infinite number of solutions.

1. $2x + y = 4$
   $x + 2y = -1$

2. $4x - 3y = 12$
   $3x + 4y = -16$

3. $4x = 16 - 8y$
   $y = -\frac{1}{2}x + 2$

4. $x = 4$
   $y = 2x - 3$

5. $y = -2x + 3$
   $-2x = y + 1$

6. $x = 4y + 4$
   $-2x + 8y = -16$