

Name \_\_\_\_\_

Date \_\_\_\_\_

## Homework #13 - Due Friday 1/18

**Directions:** Solve the system of equations by substitution.

$$\begin{aligned} 1) \quad y &= -3x + 2 \\ y &= 2x - 3 \end{aligned}$$

$$\begin{aligned} 2) \quad y &= 2x + 6 \\ y &= -x - 3 \end{aligned}$$

$$\begin{aligned} 3) \quad y &= x \\ y &= -x + 10 \end{aligned}$$

$$\begin{aligned} 4) \quad y &= 2x \\ y &= -2x - 4 \end{aligned}$$

$$\begin{aligned} 5) \quad y &= -3x + 7 \\ y &= 2x - 3 \end{aligned}$$

$$\begin{aligned} 6) \quad x - 3y &= -11 \\ y &= -3x + 17 \end{aligned}$$

$$7) \begin{aligned} y &= -x + 5 \\ x + y &= 3 \end{aligned}$$

$$8) \begin{aligned} y &= 3x \\ 3x - 2y &= 18 \end{aligned}$$

$$9) \begin{aligned} x + y &= 7 \\ y &= -3 \end{aligned}$$

$$10) \begin{aligned} 3x + 4y &= -10 \\ x &= -3y \end{aligned}$$

$$11) \begin{aligned} y &= -x \\ x - y &= 6 \end{aligned}$$