

HW 5.5

Date _____ Period _____

Solve each system by elimination.

$$\begin{array}{l} 1) \quad -6x - 2y = -8 \\ \quad \quad 3x - 2y = 1 \end{array}$$

$$\begin{array}{l} 2) \quad x - 5y = -7 \\ \quad \quad -4x + 5y = -17 \end{array}$$

Solve each system by substitution.

$$\begin{array}{l} 3) \quad x - 2y = -20 \\ \quad \quad 3x + 5y = 6 \end{array}$$

$$\begin{array}{l} 4) \quad 4x - 3y = -4 \\ \quad \quad -12x + 9y = 12 \end{array}$$

Solve the following system using either SUBSTITUTION OR ELIMINATION.

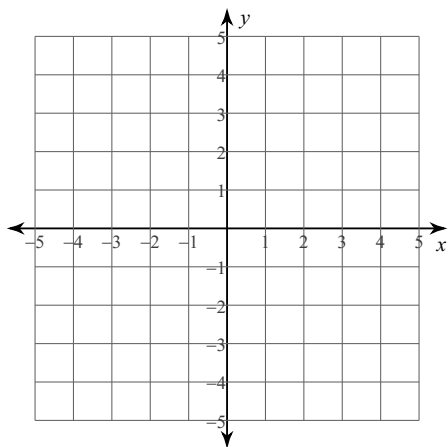
5) $x + 5y = 9$
 $-x - 7y = -11$

6) Which method did you use to solve #5: Substitution or Elimination?

Describe WHY you chose that method:

Solve the following systems graphically. Be sure to label your lines and your solution.

7) $y = x - 1$
 $y = -2x - 4$



8) $y > -2x + 3$
 $y \geq -\frac{2}{3}x - 1$

