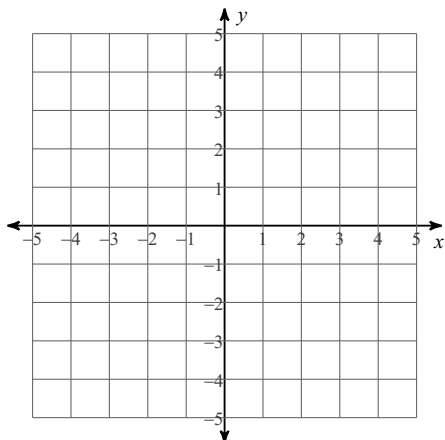


11.4 Homework

Solve each system by graphing.

1) $\frac{1}{12}x = 1 - \frac{1}{4}y$

$3y - 7x = -12$



Solve each system by substitution.

2) $y = 6x + 10$
 $y = -8x - 4$

3) $-10x - 2y = 8$
 $-5x - y = 8$

$$\begin{aligned} 4) \quad & -x - 8y = -24 \\ & 7x + 6y = 18 \end{aligned}$$

Solve each system by elimination.

$$\begin{aligned} 5) \quad & 6x + 6y = -6 \\ & -6x - 4y = 6 \end{aligned}$$

$$\begin{aligned} 6) \quad & x + y = 4 \\ & 6x - y = 17 \end{aligned}$$

$$\begin{aligned} 7) \quad & -7x + 6y = -10 \\ & -3x + 6y = 6 \end{aligned}$$

$$\begin{aligned} 8) \quad & 2x - 9y = -18 \\ & 2x + 2y = -18 \end{aligned}$$

Answers to 11.4 Homework

1) $(3, 3)$
5) $(-1, 0)$

2) $(-1, 4)$
6) $(3, 1)$

3) No solution
7) $(4, 3)$

4) $(0, 3)$
8) $(-9, 0)$