

6-5: Review of Systems of Equations

Solve each system by using any method.

$$\begin{aligned} 1) \quad -6x + 6y &= -6 \\ &6x - 5y = 4 \end{aligned}$$

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

$$\begin{aligned} 3) \quad -3x - 4y &= -16 \\ &-3x - 6y = -12 \end{aligned}$$

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

$$\begin{aligned} 5) \quad 7x + y &= 27 \\ &-4x + 7y = 30 \end{aligned}$$

$$\begin{aligned} 6) \quad -3x - 3y &= -12 \\ &x - 7y = 12 \end{aligned}$$

$$7) \begin{aligned} 4x - 2y &= -4 \\ 5x - 3y &= -9 \end{aligned}$$

$$8) \begin{aligned} 3x + 4y &= 1 \\ -7x - 3y &= -15 \end{aligned}$$

$$9) \begin{aligned} y &= -6x + 5 \\ 6x + 4y &= -16 \end{aligned}$$

$$10) \begin{aligned} y &= 4x + 18 \\ y &= -5x - 18 \end{aligned}$$

Solve each system by graphing.

$$11) \begin{aligned} y &= -x - 2 \\ y &= -4x + 4 \end{aligned}$$

$$12) \begin{aligned} 3x + 4y &= -16 \\ 3x + 4y &= 16 \end{aligned}$$

