

Systems of Equations



Solve each system of equations.

$$\begin{array}{r} 1) \quad 3x + 7y = 34 \\ \quad 3x + 2y = 14 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 2) \quad 2x + 6y = -10 \\ \quad 4x + 2y = 10 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 3) \quad 5x + 2y = -3 \\ \quad 7x + 7y = 0 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 4) \quad 4x + 7y = -8 \\ \quad 4x + 2y = 12 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 5) \quad 4x + 5y = 24 \\ \quad 2x + 4y = 18 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 6) \quad 5x + 7y = -41 \\ \quad 5x + 5y = -35 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 7) \quad 4x + 2y = -20 \\ \quad 5x + 4y = -28 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 8) \quad 2x + 2y = 4 \\ \quad 4x + 4y = 8 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 9) \quad 2x + 6y = -6 \\ \quad 7x + 6y = 9 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 10) \quad 4x + 3y = -2 \\ \quad 7x + 3y = -8 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 11) \quad 2x + 5y = 30 \\ \quad 7x + 7y = 63 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 12) \quad 4x + 4y = 0 \\ \quad 3x + 7y = -16 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 13) \quad 4x + 4y = 20 \\ \quad 2x + 6y = 30 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 14) \quad 4x + 3y = -18 \\ \quad 3x + 2y = -13 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 15) \quad 4x + 3y = 1 \\ \quad 4x + 2y = 2 \\ \hline x = _ \quad y = _ \end{array}$$

$$\begin{array}{r} 16) \quad 5x + 3y = 10 \\ \quad 5x + 5y = 20 \\ \hline x = _ \quad y = _ \end{array}$$

Answers of Systems of Equations



Solve each system of equations.

$$\begin{array}{r} 1) \quad 3x + 7y = 34 \\ \quad 3x + 2y = 14 \\ \hline \quad x = 2 \quad y = 4 \end{array}$$

$$\begin{array}{r} 2) \quad 2x + 6y = -10 \\ \quad 4x + 2y = 10 \\ \hline \quad x = 4 \quad y = -3 \end{array}$$

$$\begin{array}{r} 3) \quad 5x + 2y = -3 \\ \quad 7x + 7y = 0 \\ \hline \quad x = -1 \quad y = 1 \end{array}$$

$$\begin{array}{r} 4) \quad 4x + 7y = -8 \\ \quad 4x + 2y = 12 \\ \hline \quad x = 5 \quad y = -4 \end{array}$$

$$\begin{array}{r} 5) \quad 4x + 5y = 24 \\ \quad 2x + 4y = 18 \\ \hline \quad x = 1 \quad y = 4 \end{array}$$

$$\begin{array}{r} 6) \quad 5x + 7y = -41 \\ \quad 5x + 5y = -35 \\ \hline \quad x = -4 \quad y = -3 \end{array}$$

$$\begin{array}{r} 7) \quad 4x + 2y = -20 \\ \quad 5x + 4y = -28 \\ \hline \quad x = -4 \quad y = -2 \end{array}$$

$$\begin{array}{r} 8) \quad 2x + 2y = 4 \\ \quad 4x + 4y = 8 \\ \hline \quad x = -2 \quad y = 4 \end{array}$$

$$\begin{array}{r} 9) \quad 2x + 6y = -6 \\ \quad 7x + 6y = 9 \\ \hline \quad x = 3 \quad y = -2 \end{array}$$

$$\begin{array}{r} 10) \quad 4x + 3y = -2 \\ \quad 7x + 3y = -8 \\ \hline \quad x = -2 \quad y = 2 \end{array}$$

$$\begin{array}{r} 11) \quad 2x + 5y = 30 \\ \quad 7x + 7y = 63 \\ \hline \quad x = 5 \quad y = 4 \end{array}$$

$$\begin{array}{r} 12) \quad 4x + 4y = 0 \\ \quad 3x + 7y = -16 \\ \hline \quad x = 4 \quad y = -4 \end{array}$$

$$\begin{array}{r} 13) \quad 4x + 4y = 20 \\ \quad 2x + 6y = 30 \\ \hline \quad x = 0 \quad y = 5 \end{array}$$

$$\begin{array}{r} 14) \quad 4x + 3y = -18 \\ \quad 3x + 2y = -13 \\ \hline \quad x = -3 \quad y = -2 \end{array}$$

$$\begin{array}{r} 15) \quad 4x + 3y = 1 \\ \quad 4x + 2y = 2 \\ \hline \quad x = 1 \quad y = -1 \end{array}$$

$$\begin{array}{r} 16) \quad 5x + 3y = 10 \\ \quad 5x + 5y = 20 \\ \hline \quad x = -1 \quad y = 5 \end{array}$$