

Section 5.2

Solve for y :

- 1) $6x + 3y = 24$
- 2) $4x + 2y = 12$
- 3) $-5x + y = 12$
- 4) $3x - y = 8$

Solve for either x or y :

- 5) $x + y = 10$
- 6) $x + 2y = 80$
- 7) $2x - y = 4$

Solve each system using substitution

8) $\begin{cases} y = 6x - 1 \\ y = -5x + 10 \end{cases}$

9) $\begin{cases} y = 2x + 8 \\ y = -x - 1 \end{cases}$

10) $\begin{cases} y = 2x - 1 \\ 2x + 3y = 13 \end{cases}$

11) $\begin{cases} 2x + y = 0 \\ x = -2y + 12 \end{cases}$

12) $\begin{cases} 2x + y = 5 \\ -3x + 4y = -2 \end{cases}$

13) $\begin{cases} -2x + 4y = -22 \\ 3x - 6y = 31 \end{cases}$

Check to see if the solution to each system is correct or not.

14) Is $(8,3)$ the solution to $\begin{cases} 3x + 4y = 36 \\ -2x + 6y = 2 \end{cases}$?

15) Is $(-7,-4)$ the solution to $\begin{cases} x = y + 3 \\ y = 3x + 17 \end{cases}$?

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