

- Is  $(3, -2)$  as solution to the system  $\begin{cases} y = 5x - 17 \\ y = -2x + 3 \end{cases}$  ?
- Solve the following systems of equations. Show all your work including a check to see if your solution is correct.

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

e.  $\begin{cases} y = 2x - 3 \\ 3y - 2x = 1 \end{cases}$

b.  $\begin{cases} y = -2x + 14 \\ y = x - 7 \end{cases}$

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

c.  $\begin{cases} y = -6x \\ 12x + 3y = 6 \end{cases}$

g.  $\begin{cases} y = -4x - 38 \\ -2x - 8y = 4 \end{cases}$

d.  $\begin{cases} y = 3x \\ 2x - y = 3 \end{cases}$

h.  $\begin{cases} 8x - 5y = 0 \\ 2x - y = -2 \end{cases}$

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