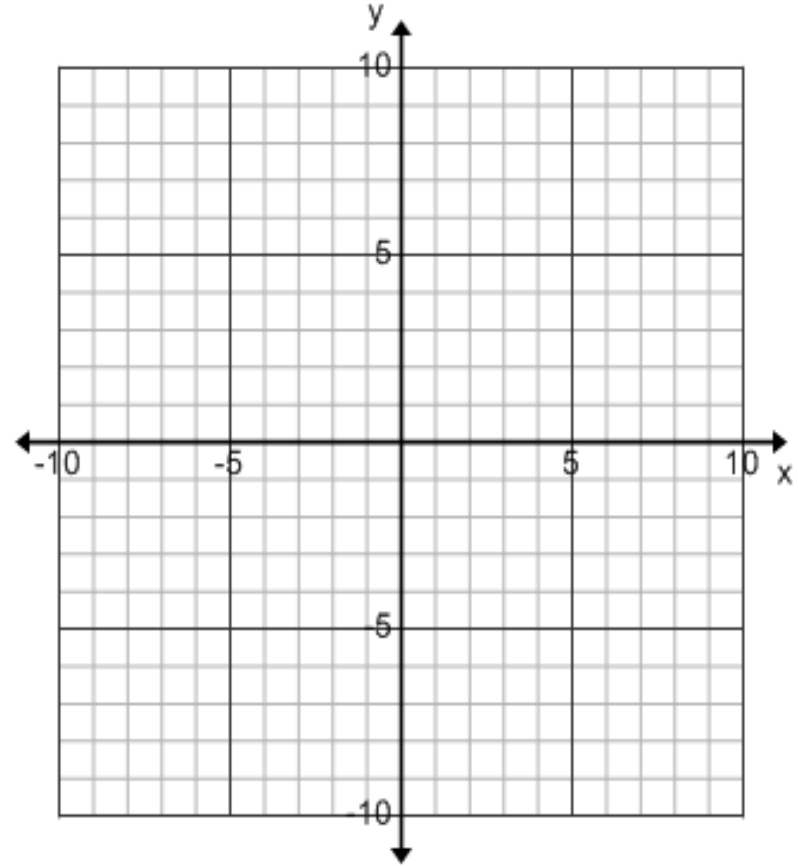


# Review: Graphing Systems

$$\begin{cases} y = -\frac{3}{2}x - 2 \\ 2y = x + 4 \end{cases}$$



# Notes: 3.1 Day #3 Substitution

Goal: to find a value for  $x$  &  $y$  using substitution.

- ▶ Make sure that one equation is solved for either  $x$  or  $y$ .
- ▶ Substitute that equation into other equation. You should now have one equation & one variable. Solve!
- ▶ Substitute again to find other variable.

Ex. 1

$$2x + 7y = 3$$
$$x = 1 - 4y$$

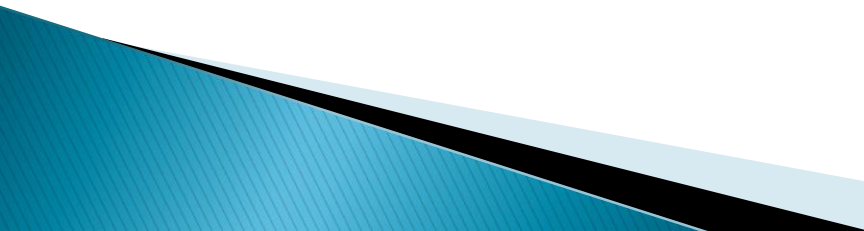
Be sure to write solution. ( , )



Ex. 2

$$4x + 3y = 13$$
$$x + y = 4$$

Solution ( , )



Ex. 3

$$3x - 5y = 11$$
$$x - 3y = 1$$

Solution ( , )

# HOMework:

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