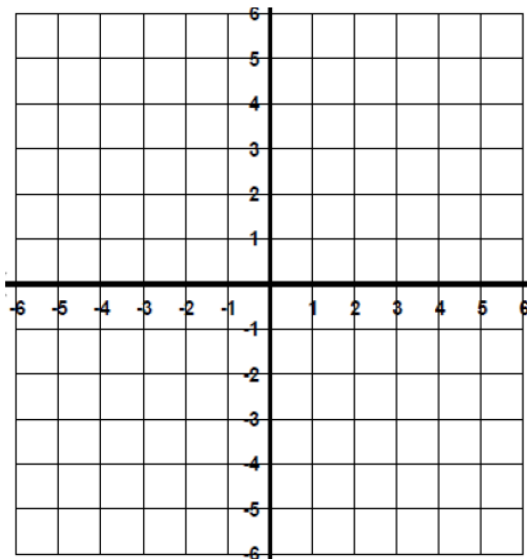
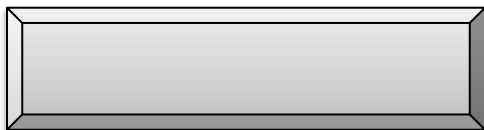
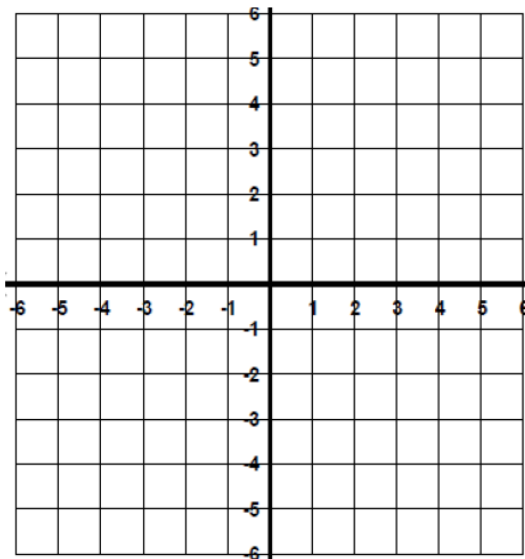


SOLUTIONS TO SYSTEMS OF EQUATIONS

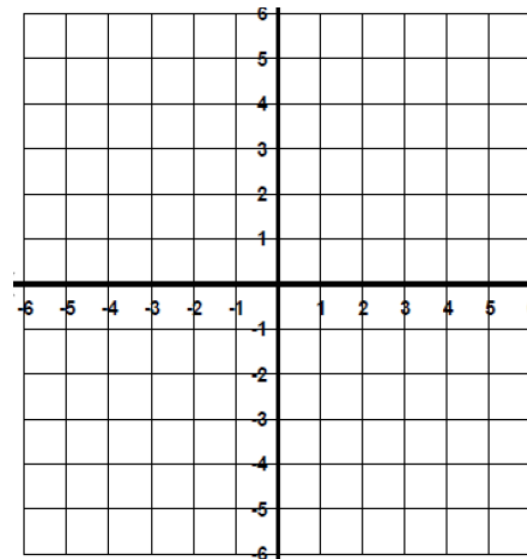
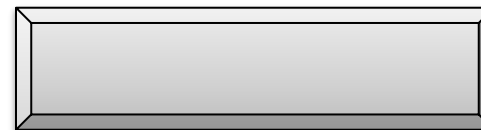
Graph each system. Then solve each one mathematically. In the box above each graph, identify how many solutions each system has.



$$\begin{cases} y = 2x + 2 \\ y = -x + 5 \end{cases}$$



$$\begin{cases} y = 3x + 4 \\ 2y = 6x + 4 \end{cases}$$

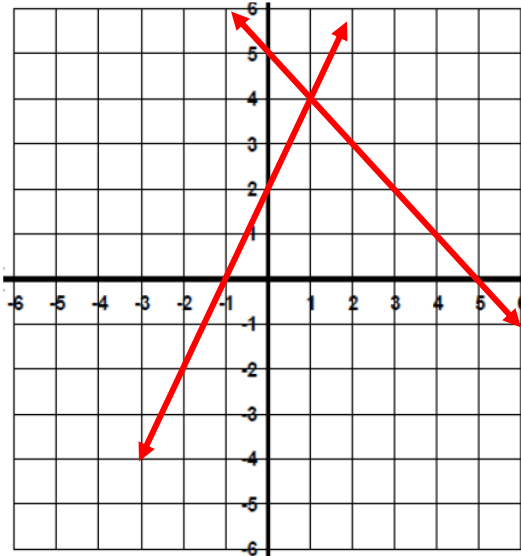


$$\begin{cases} 3x + 4y = 12 \\ 15x + 20y = 60 \end{cases}$$

SOLUTIONS TO SYSTEMS OF EQUATIONS KEY

Graph each system. Then solve each one mathematically. In the box above each graph, identify how many solutions each system has.

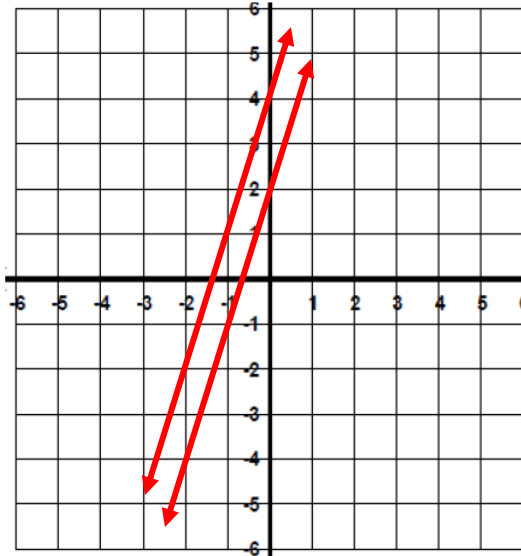
ONE SOLUTION



$$\begin{cases} y = 2x + 2 \\ y = -x + 5 \end{cases}$$

(1,4)

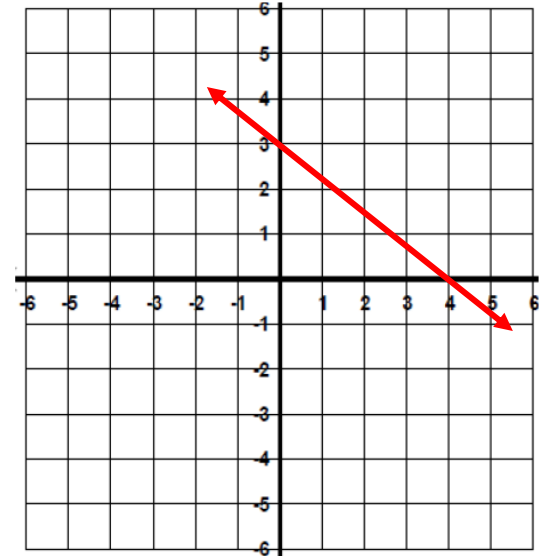
NO SOLUTION



$$\begin{cases} y = 3x + 4 \\ 2y = 6x + 4 \end{cases}$$

No Solution

INFINITELY MANY SOLUTIONS



$$\begin{cases} 3x + 4y = 12 \\ 15x + 20y = 60 \end{cases}$$

Infinitely Many Solutions



Thank you for downloading this activity.

Reviews are greatly appreciated.

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Suggested Resources

