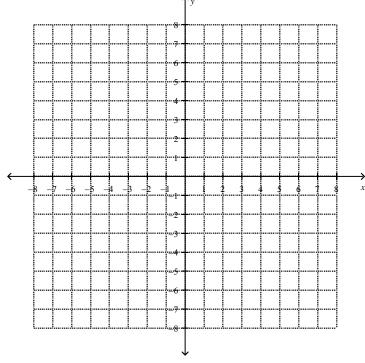
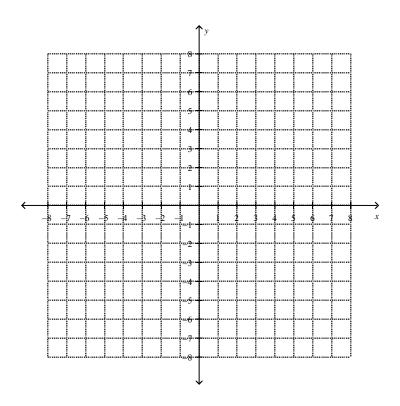
## HW #9 –Systems of Equations Review

What is the **solution** to the following system of linear equations? If there is *no solution* or *infinitely many*, explain why.

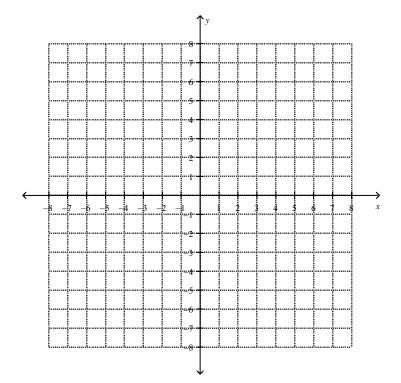
 $\frac{1.}{y = \frac{3}{5}x}$   $y = \frac{3}{5}x - 2$ 



2.  $\begin{cases} y = -\frac{1}{2}x + 2 \\ y = -x + 5 \end{cases}$ 



$$\underbrace{3.} \begin{cases} -x+y=2\\ 4x-y=1 \end{cases}$$



What is the <u>solution</u> to the following system of linear equations? **Please solve one algebraically, one using substitution, and one using elimination. It is your choice to decide which problem to solve using each <b>method.**If there is *no solution* or *infinitely many*, explain why.

$$5. \qquad \begin{cases} 2x + 5y = -1 \\ x + 2y = 0 \end{cases}$$

