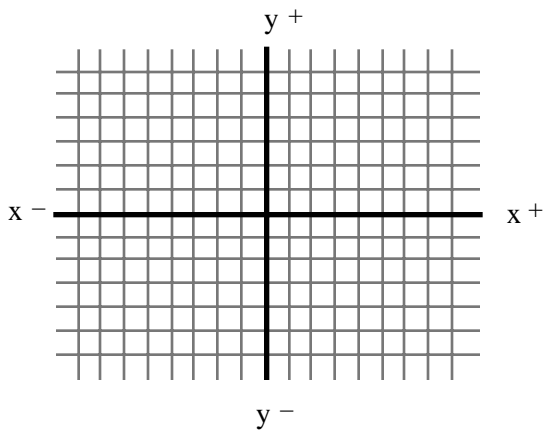


Section 9.1 Focus Exercises

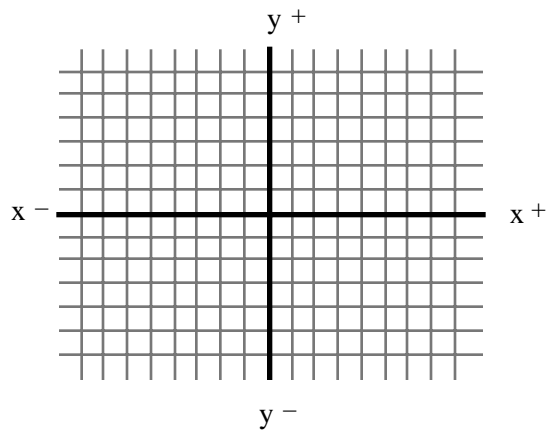
Graph each system in the x-y plane provided. Determine the solution, if possible. If the lines are parallel, indicate that by writing **inconsistent**; if the lines are the same line, indicate that by writing **dependent**. (Be sure to count the grid lines carefully.) *Also, verify your answers*

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



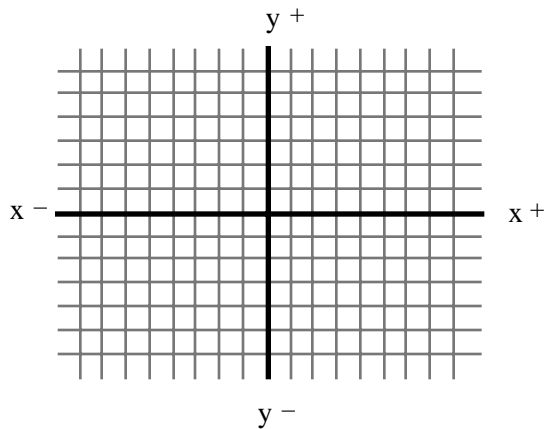
Solution: (,)

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



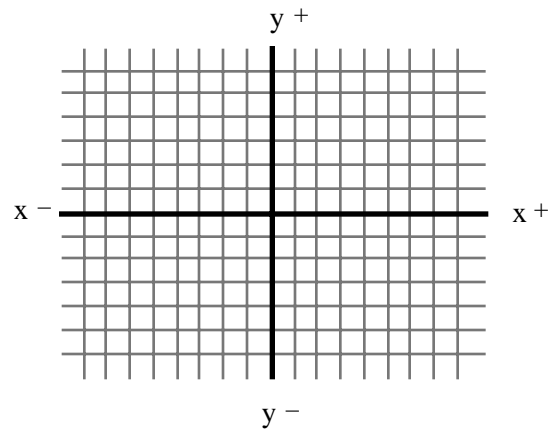
Solution: (,)

3.
$$\begin{cases} y = \frac{2}{3}x + 2 \\ 2x + 3y = -6 \end{cases}$$



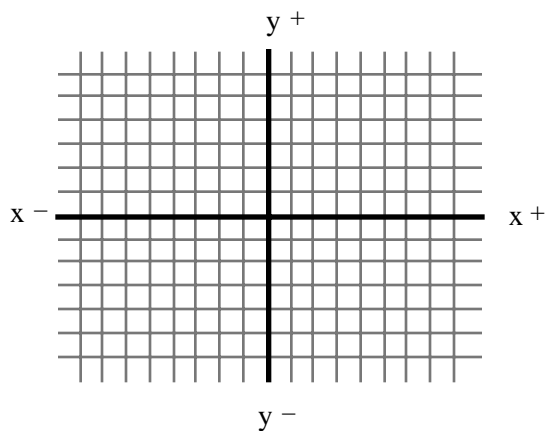
Solution: (,)

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



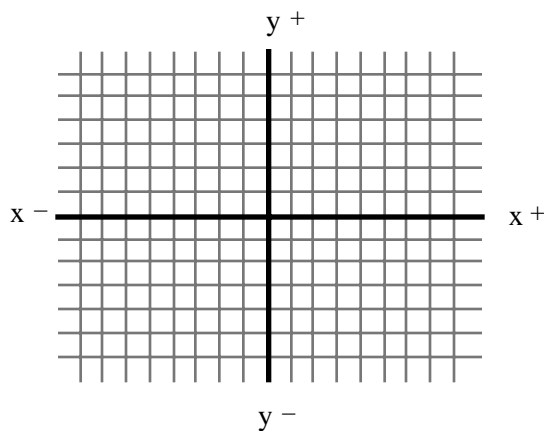
Solution: (,)

5.
$$\begin{cases} y = -2x + 4 \\ 3x - y = 6 \end{cases}$$



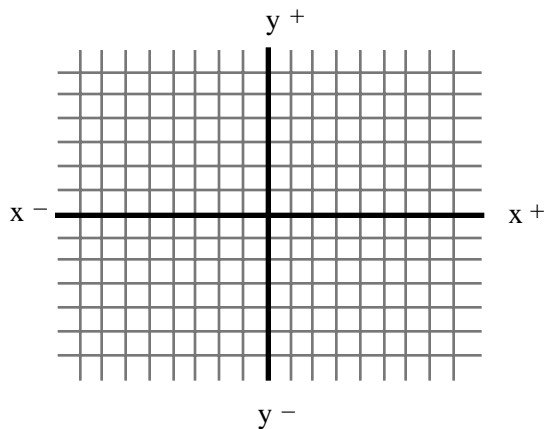
Solution: (,)

6.
$$\begin{cases} 6x - 3y = 12 \\ y = 2x - 4 \end{cases}$$



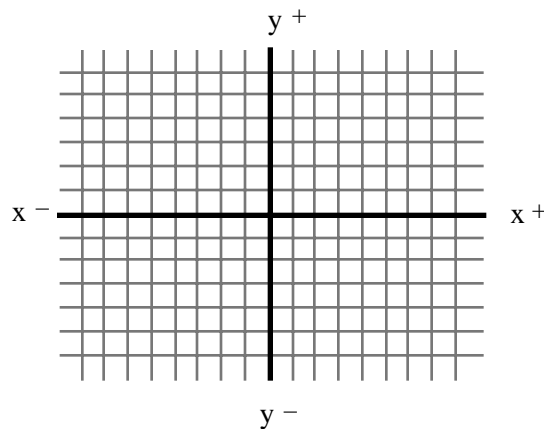
Solution: (,)

7.
$$\begin{cases} y = -\frac{1}{3}x + 4 \\ x + 3y = -3 \end{cases}$$



Solution: (,)

8.
$$\begin{cases} 3x - 3y = -9 \\ 4x + 2y = -12 \end{cases}$$



Solution: (,)