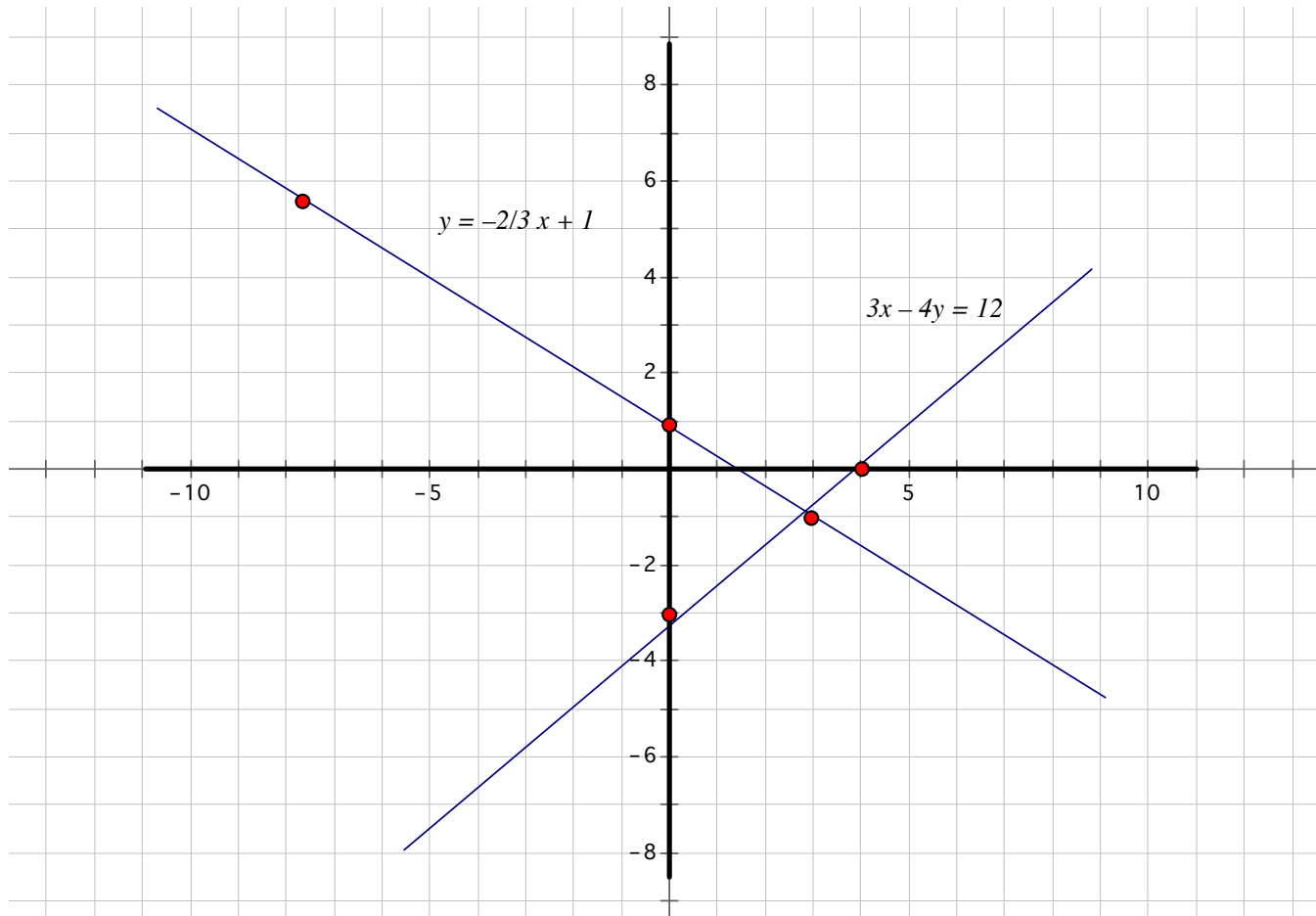


**Example 2**

Solve: by graphing

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

$$3x - 4y = 12$$



The point of intersection appears to be around  $(3, -1)$ .

If we substituted that ordered pair into both of those equations, we'd find it does not work. It does not satisfy both equations.

But, we know there is a point, an ordered pair, that satisfies both equations. And we know it's around  $(3, -1)$ .