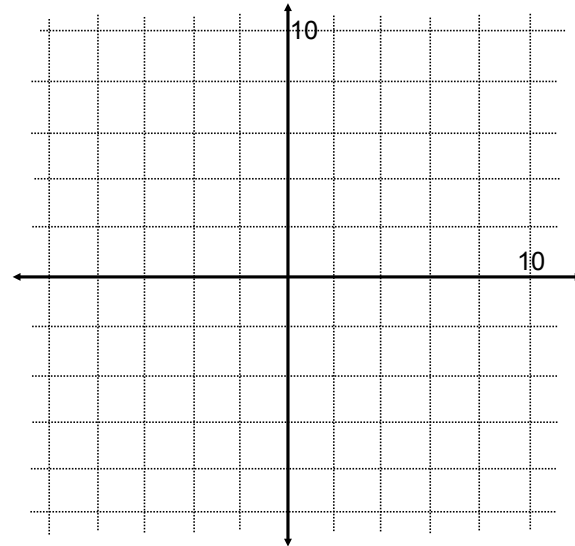


7.2 Solving Systems Graphically

* The of a system of equations is the of the two graphs. This coordinate satisfies both equations at the same time.

ex. Graphically solve the the following system:

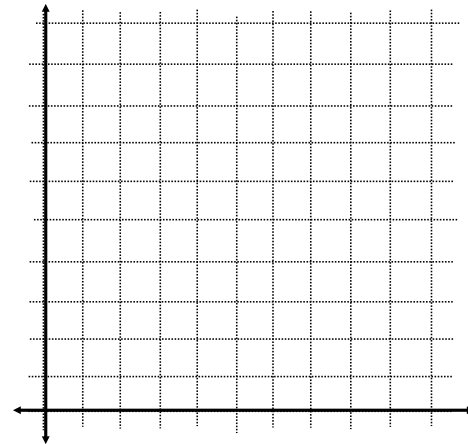
$$\begin{cases} x + y = 8 & \textcircled{1} \\ 3x - 2y = 14 & \textcircled{2} \end{cases}$$



Test the solution in equation $\textcircled{1}$ & $\textcircled{2}$

ex. A box of 36 golf balls has a mass of 1806 g. If we remove 12 balls, the box has a mass of 1254 g. What is the mass of one ball? How much does the empty box weigh?

let $x =$ $y =$



①

②

Test the solution in equation ① & ②