6.3: Point of Intersection (POI)

A group of lines studied together is called a \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

To solve a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, we find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Plot the two lines on the grid below and solve the system. Label the point of intersection.

$y=\frac{1}{3}x+1 and y=-\frac{1}{2}x+6$

Verify your solution using LS=RS.