

1. On a graph paper plot the functions:

$$y = 2x - 1, \quad f(x) = 2x + 1, \quad g(x) = 2x + 3$$

2. In another coordinate system, plot the functions:

$$y = \frac{1}{2}x; \quad y = \frac{1}{10}x; \quad y = 3x$$

3. Solve the following system analytically, then express y as a function of x , plot the lines on a graph paper, check your solutions

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

b.
$$\begin{cases} 2x - y - 4 = 0 \\ \frac{1}{2}x - y + \frac{1}{2} = 0 \end{cases}$$