

Answer on Question#37696 - , Math - Geometry

What is the x -intercept of the graph: $2x + 4y = -10$

Solution.

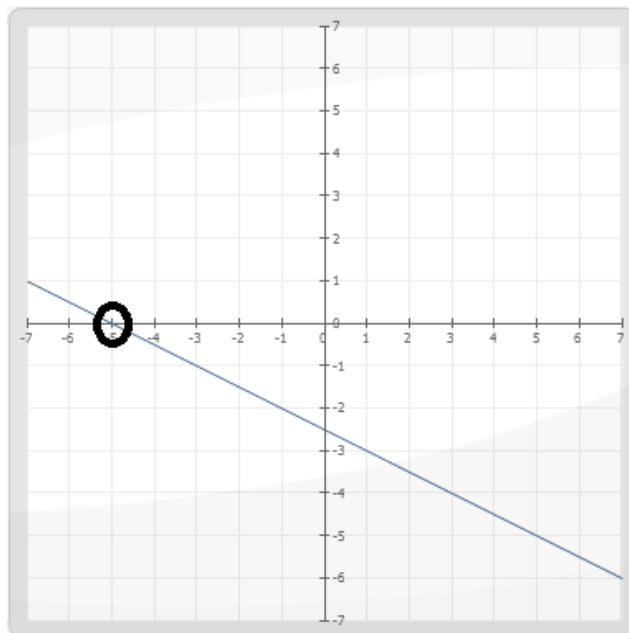
$$4y = -10 - 2x$$

$$y = -\frac{10}{4} - \frac{2}{4}x$$

$$y = -\frac{5}{2} - \frac{1}{2}x$$

x -intercept of graph it is value of x when $y = 0$

On the plane



$$y = 0$$

$$0 = -\frac{5}{2} - \frac{1}{2}x$$

$$0 = -5 - x$$

$$5 = -x$$

$$x = -5$$

Answer : The x -intercept of the graph is -5.