

Ques → find the equation of the line which is passing through the point  $(-4, 3)$  with slope  $\frac{1}{2}$ .

solution → Equation of straight line in point-slope form

slope =  $m$ , point  $(x_1, y_1)$

$$(y - y_1) = m(x - x_1)$$

$$\rightarrow (y - 3) = \frac{1}{2}(x - (-4))$$

$$\rightarrow y - 3 = \frac{(x + 4)}{2}$$

$$\boxed{2y - x - 10 = 0} \rightarrow \text{Equation of line.}$$