

## Equation of a Line

### Part - A

Find the equation of the line with the given slope and the y-intercept.

1) slope =  $-7$  ; y-intercept =  $0$

2) slope =  $1$  ; y-intercept =  $-9$

3) slope =  $3$  ; y-intercept =  $4$

4) slope =  $-9$  ; y-intercept =  $-2$

5) slope =  $6$  ; y-intercept =  $8$

y-intercept =  $8$

7) slope =  $-3$  ; y-intercept =  $3$

y-intercept =  $3$

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1) Find the equation of a line whose slope is  $4$  and has the y-intercept  $6$ .

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2) If the slope of a line  $m$  is  $-7$  and it cuts the y-axis at  $y = 2$ , find the equation of the line  $m$ .

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## Equation of a Line

### Part - A

Find the equation of the line with the given slope and the y-intercept.

1) slope =  $-7$  ; y-intercept =  $0$

$y = -7x$

2) slope =  $1$  ; y-intercept =  $-9$

$y = x - 9$

3) slope =  $3$  ; y-intercept =  $4$

$y = 3x + 4$

4) slope =  $-9$  ; y-intercept =  $-2$

5) slope =  $6$  ; y-intercept =  $8$

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

7) slope =  $-3$  ; y-intercept =  $3$

$y = -3x - 7$

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1) Find the equation of a line whose slope is  $4$  and has the y-intercept  $6$ .

$y = 4x + 6$

2) If the slope of a line  $m$  is  $-7$  and it cuts the y-axis at  $y = 2$ , find the equation of the line  $m$ .

$y = -7x + 2$