Equation of a Line

Part - A

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

1) slope = –3 ; y-intercept = 4

2) slope = –1 ; y-intercept = 0

3) slope = $\frac{1}{5}$; y-intercept = –5

4) slope = 2 ; y-intercept = –9

5) slope = –8 ; y-intercept = 8

6) slope = –4 ; y-intercept = $-\frac{7}{2}$

7) slope = 9 ; y-intercept = 2

8) slope = 5 ; y-intercept = –1

Part - B

1) If a line cuts the y-axis at y = –6 and the slope of the line is –10, find the equation of the line.

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2) Find the equation of the tangent whose slope is 3 and has the y-intercept 1.

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