

Equation-Intercepts**Part - A**

Find the equation of the line with the given x and y intercepts.

1) x-intercept = $\frac{5}{4}$; y-intercept = 6

2) x-intercept = -6 ; y-intercept = -6

3) x-intercept = -8 ; y-intercept = 8

4) x-intercept = 5 ; y-intercept = $\frac{2}{3}$

5) x-intercept = 9 ; y-intercept = $-\frac{3}{4}$

6) x-intercept = -2 ; y-intercept = 4

7) x-intercept = -1 ; y-intercept = -7

8) x-intercept = $\frac{3}{2}$; y-intercept = $-\frac{5}{6}$

Part - B

1) Find the equation of the line which cuts the x-axis at (10, 0) and the y-axis at (0, 1).

2) A line p has the x and y intercepts -2 and -8 respectively. Find the equation of the line p .

Equation-Intercepts

Sheet 1

Part - A

Find the equation of the line with the given x and y intercepts.

1) x-intercept = $\frac{5}{4}$; y-intercept = 6

2) x-intercept = -6 ; y-intercept = -6

$24x + 5y = 30$

$x + y = -6$

3) x-intercept = -8 ; y-intercept = 8

4) x-intercept = 5 ; y-intercept = $\frac{2}{3}$

$x - y = -8$

$2x + 15y = 10$

5) x-intercept = 9 ; y-intercept = $-\frac{3}{4}$

6) x-intercept = -2 ; y-intercept = 4

$x - 12y = 9$

$2x - y = -4$

7) x-intercept = -1 ; y-intercept = -7

8) x-intercept = $\frac{3}{2}$; y-intercept = $-\frac{5}{6}$

$7x + y = -7$

$10x - 18y = 15$

Part - B

1) Find the equation of the line which cuts the x-axis at (10, 0) and the y-axis at (0, 1).

$x + 10y = 10$

2) A line p has the x and y intercepts -2 and -8 respectively. Find the equation of the line p .

$4x + y = -8$
