

Equation-Intercepts

Part - A

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

1) x-intercept = -1 ; y-intercept = 3

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

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

4) x-intercept = -3 ; y-intercept = 7

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

; y-intercept = $-\frac{5}{2}$

7) x-intercept = -8 ; y

y-intercept = 1

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1) Find the equation of the tangent whose x-intercept is -7 and touches the circle at the point (0, 6).

2) Find the equation of the line which cuts the x-axis at (1, 0) and the y-axis at (0, -2).

Equation-Intercepts

Sheet 2

Part - A

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

1) x-intercept = -1 ; y-intercept = 3

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

$3x - y = -3$

$2x + 3y = 4$

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

4) x-intercept = -3 ; y-intercept = 7

$6x + 3y = 5$

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

; y-intercept = $-\frac{5}{2}$

$15x + 2y = -18$

7) x-intercept = -8 ; y

y-intercept = 1

$x - 2y = -8$

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1) Find the equation of the tangent whose x-intercept is -7 and touches the circle at the point (0, 6).

$6x - 7y = -42$

2) Find the equation of the line which cuts the x-axis at (1, 0) and the y-axis at (0, -2).

$2x - y = 2$