Equation of a Line

Find the equation of a line for the given x-intercept and y-intercept.

1) x-intercept = –2 ; y-intercept = 5

2) x-intercept = 1 ; y-intercept = 4

3) x-intercept = 6 ; y-intercept = $\frac{1}{3}$

4) x-intercept = 3 ; y-intercept = –1

Complete the table.

Q.No	x-intercept	y-intercept	Equation of a Line
1)	–4	$-\frac{2}{3}$	
2)	7	6	
3)	–3	–2	
4)	$-\frac{2}{5}$	$\frac{1}{5}$	
5)	8	4	
6)	–5	1	

Equation of a Line

Answer key

Find the equation of a line for the given x-intercept and y-intercept.

1) x-intercept = –2 ; y-intercept = 5

5x – 2y = –10

2) x-intercept = 1 ; y-intercept = 4

4x + y = 4

3) x-intercept = 6 ; y-intercept = $\dfrac{1}{3}$

x + 18y = 6

4) x-intercept = 3 ; y-intercept = –1

x – 3y = 3

Complete the table.

Q.No	x-intercept	y-intercept	Equation of a Line
1)	–4	$-\dfrac{2}{3}$	**x + 6y = –4**
2)	7	6	**6x + 7y = 42**
3)	–3	–2	**2x + 3y = –6**
4)	$-\dfrac{2}{5}$	$\dfrac{1}{5}$	**5x – 10y = –2**
5)	8	4	**x + 2y = 8**
6)	–5	1	**x – 5y = –5**