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

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

2)   x-intercept = –2 ; y-intercept = –5

3)   x-intercept = 1 ; y-intercept = –6

4)   x-intercept = $\frac{1}{2}$; y-intercept = 4

Complete the table.

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

Equation of a Line

Answer key

TI:17

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

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

x + y = 3

2) x-intercept = –2 ; y-intercept = –5

5x + 2y = –10

3) x-intercept = 1 ; y-intercept = –6

6x – y = 6

4) x-intercept = $\frac{1}{2}$; y-intercept = 4

8x + y = 4

Complete the table.

Q.No	x-intercept	y-intercept	Equation of a Line
1)	3	6	**2x + y = 6**
2)	$-\frac{5}{8}$	$-\frac{1}{4}$	**8x + 20y = –5**
3)	–1	–1	**x + y = –1**
4)	$\frac{2}{5}$	5	**25x + 2y = 10**
5)	–2	7	**7x – 2y = –14**
6)	1	–4	**4x – y = 4**