

Fill in the Blanks

Finding the Equation of a Line Through Two Points

(x_1, y_1)	(x_2, y_2)	Find m using $\frac{y_2 - y_1}{x_2 - x_1}$	Gradient m	Find c using $y = mx + c$	Equation of Line
(1, 3)	(2, 5)	$\frac{5 - 3}{2 - 1} = \frac{2}{1}$	2	$3 = 2 \times 1 + c$ $c = 1$	$y = 2x + 1$
(2, 0)	(5, 9)				
(4, 1)	(5, 6)				
(7, 11)	(8, 10)				
(2, -3)	(5, 3)				
(3, -2)	(1, 8)				
(-6, -1)	(-2, 1)				
(9, 7)	(3, 9)				
$(\frac{1}{2}, -3)$	$(-\frac{1}{2}, -\frac{5}{2})$				