

Fill in the Blanks

Coordinate Geometry with Two Points

(x_1, y_1)	(x_2, y_2)	Gradient m	Perpendicular Gradient	Midpoint of Line	Length of Line	Equation of Line
(0, 3)	(2, 7)	$\frac{7-3}{2-0} = 2$	$-\frac{1}{2}$	(1, 5)	$\sqrt{2^2 + 4^2}$ $= 4.47$	$y = 2x + 3$
(0, 2)	(4, 14)		$-\frac{1}{3}$			
(0, 5)	(3, 8)				$\sqrt{3^2 + 3^2}$ $= 4.24$	
(2, 1)	(0, 9)					
(3, 6)	(1, 10)					
(3, 3)	(2, -1)					
(3, 7)	(6, 8)					
(5, 11)				(4, 9)		
	(2, 9)		1		$\sqrt{8}$	