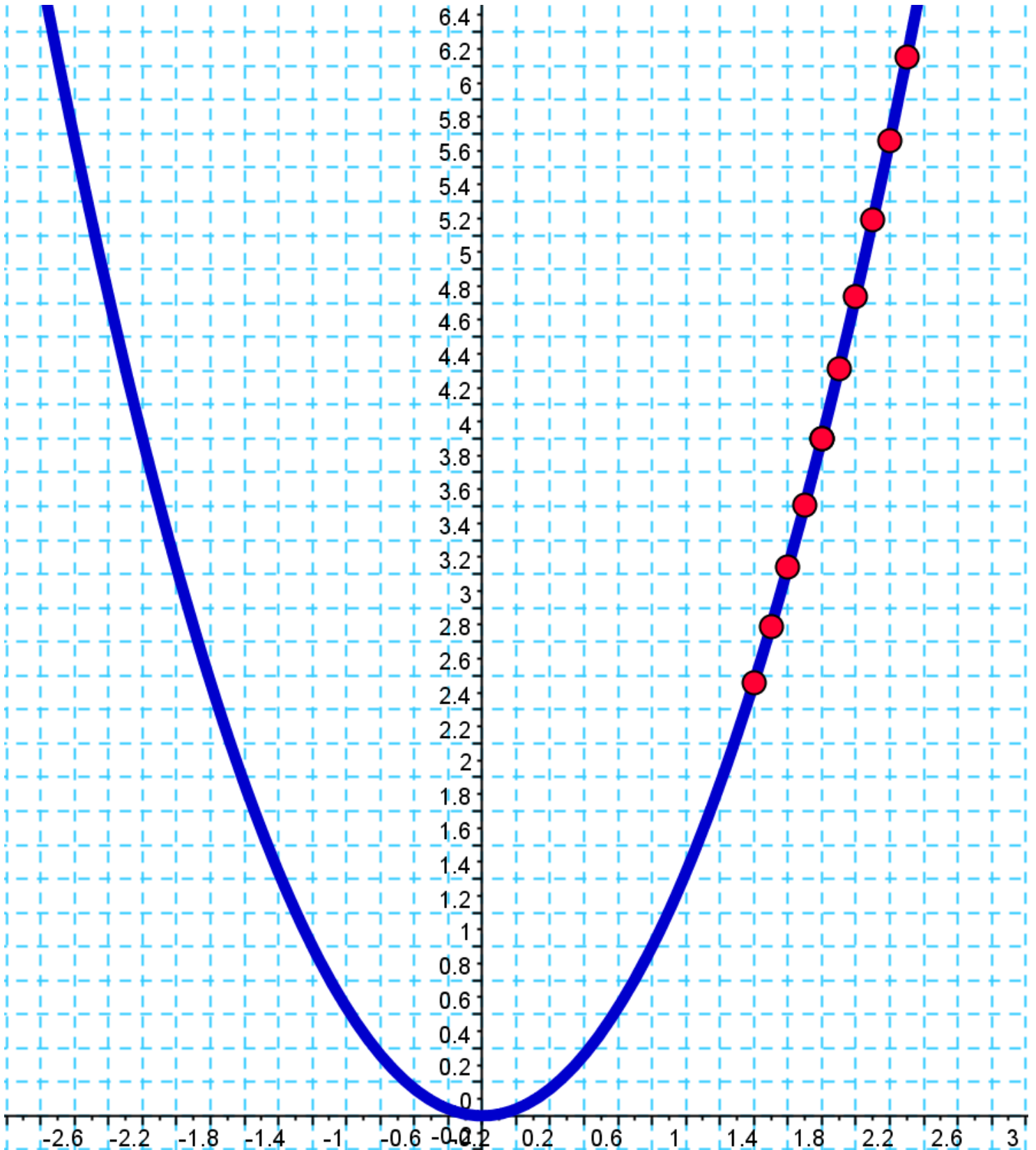


For the curve of $y = x^2$ sketch PQ and find its gradient, where P (2,4)



Complete the following table to find the gradient of PQ

$Q(x_2, y_2)$	$P(x_1, y_1)$	$y_2 - y_1$	$x_2 - x_1$	$m = \frac{y_2 - y_1}{x_2 - x_1}$	m
(2.5 , 6.25)	(2 , 4)				4.5
(2.4 , 5.76)	(2 , 4)				4.4
(2.3 ,)	(2 , 4)				4.3
(2.2 ,)	(2 , 4)				4.2
(2.1 ,)	(2 , 4)				4.1
(2.0 ,)	(2 , 4)				error
(1.9 , 3.61)	(2 , 4)				3.9
(1.8 ,)	(2 , 4)				3.8
(1.7 ,)	(2 , 4)				3.7
(1.6 ,)	(2 , 4)				3.6
(1.5 ,)	(2 , 4)				3.5