

L6

Grade: 3

Progression: Medium

Finding Gradients

ANSWERS

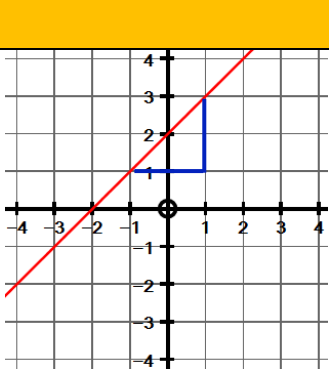
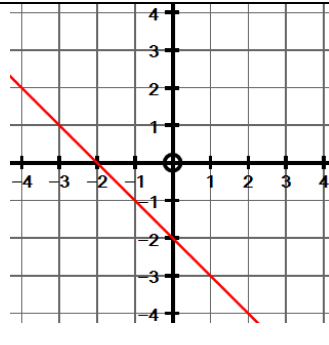
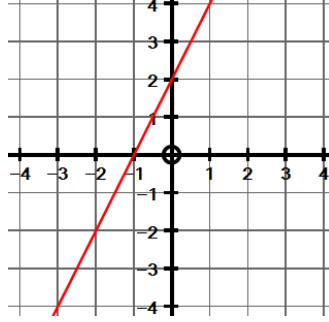
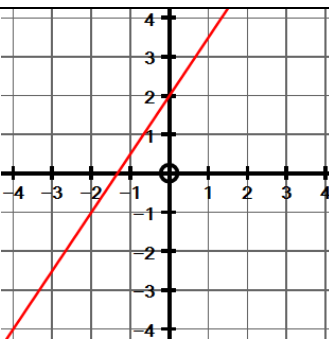
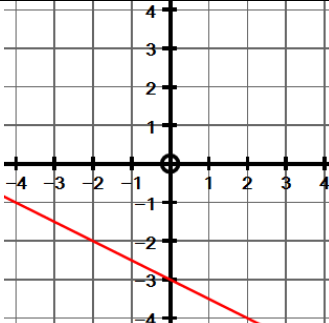


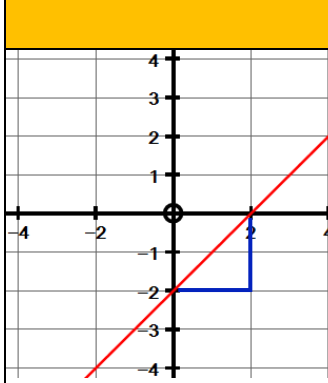
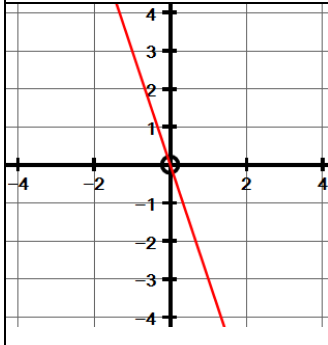
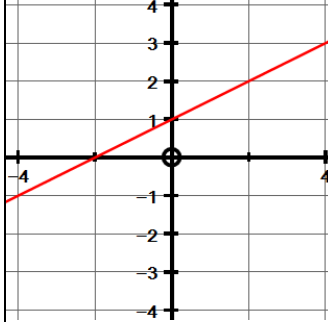
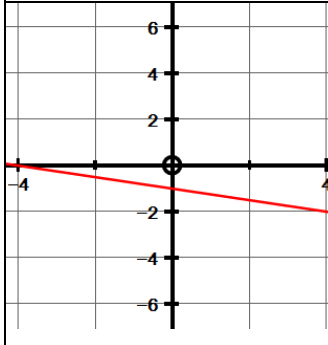
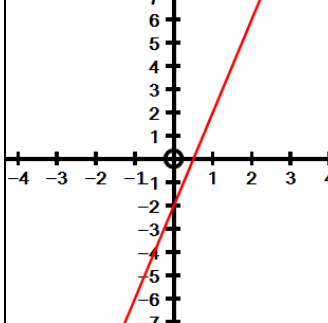
Section A

	Calculation	Gradient
	$\frac{2}{1}$	2
	$\frac{2}{2}$	1
	$\frac{1}{1}$	1
	$\frac{4}{1}$	4
	$\frac{3}{1}$	3
	$\frac{-1}{1}$	-1

	Calculation	Gradient
	$\frac{-3}{1}$	-3
	$\frac{-5}{1}$	-5
	$\frac{2}{1}$	2
	$\frac{-2}{1}$	-2
	$\frac{1}{2}$	$\frac{1}{2}$
	$\frac{-1}{3}$	$\frac{-1}{3}$

Section B

	Calculation	Gradient
	$\frac{2}{1}$	1
	$-\frac{1}{1}$	-1
	$\frac{2}{1}$	2
	$\frac{3}{2}$	$\frac{3}{2}$
	$-\frac{1}{2}$	$-\frac{1}{2}$

	Calculation	Gradient
	$\frac{2}{1}$	1
	$-\frac{3}{1}$	-3
	$\frac{1}{2}$	$\frac{1}{2}$
	$-\frac{1}{4}$	$-\frac{1}{4}$
	$\frac{4}{1}$	4

Section C: Find the gradient of the line joining points P and Q.

	Calculation	Gradient
	$\frac{2}{1}$	2
	$\frac{6}{3}$	2
	$\frac{-3}{2}$	$\frac{-3}{2}$
	$\frac{-2}{4}$	$\frac{-1}{2}$
	$\frac{4}{1}$	4

	Co-ordinates	Calculation	Gradient
	P(2 , 1) Q(3 , 4)	$\frac{4 - 1}{3 - 2}$	3
	P(0 , 3) Q(1 , 2)	$\frac{2 - 3}{1 - 0}$	-1
	P(4 , 1) Q(5 , 2)	$\frac{2 - 1}{5 - 4}$	1
	P(1 , 1) Q(3 , 4)	$\frac{4 - 1}{3 - 1}$	$\frac{3}{2}$
	P(2 , 5) Q(4 , 1)	$\frac{1 - 5}{4 - 2}$	-2
	P(-2, -3) Q(2 , 5)	$\frac{5 - (-3)}{2 - (-2)}$	2
	P(3 , 5) Q(7 , 9)	$\frac{9 - 5}{7 - 3}$	1
	P(2, -8) Q(-4, 4)	$\frac{4 - (-8)}{-4 - 2}$	-2
	P(-3, 5) Q(-1, 2)	$\frac{2 - 5}{-1 - (-3)}$	$\frac{-3}{2}$
	P(7 , 4) Q(3 , 6)	$\frac{6 - 4}{3 - 7}$	$\frac{-1}{2}$