

Name \_\_\_\_\_ Date \_\_\_\_\_

Linear Relations - Exit Slip # 2

1 a) Complete the table below (1 mark)

Input , x	Output , y
-1	1
0	4
1	7
2	
3	

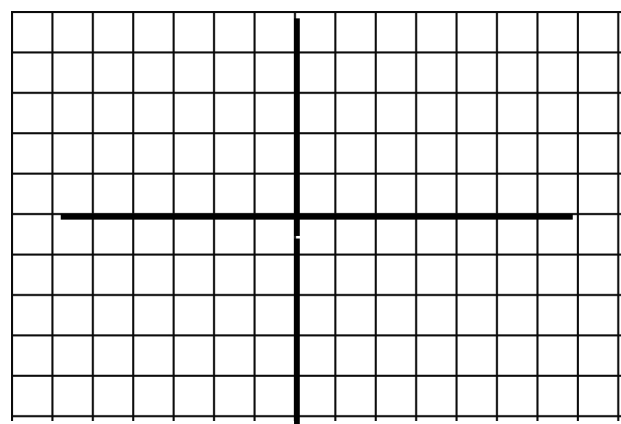
b) Write an equation to describe the relationship between x and y (1 mark).

c) Use your equation to find y when x = 6 (1 mark).

2 a) Graph the equation  $x = 2$  (1 mark)

b) The graph is a \_\_\_\_\_ line. (1 mark)

c) Every point on the graph has \_\_\_\_\_ -coordinate \_\_\_\_ (2 marks)



3 a) Complete the table of values for  $x + 2y = 8$  ( 2 marks)

x	y
0	
1	
2	
3	

b) Graph the equation  $x + 2y = 8$  (1 mark)

Unit 4 Vocabulary ( /21 Marks)

1	Vertical Axis		y-coordinate
2	Numerical Coefficient		Contains numbers, variables and/or operation symbols
3	Linear Relation		x - coordinate
4	Graph		A mathematical statement that shows two expressions are equal.
5	Discrete Data		Data on the graph that is not joined with a line.
6	Increase		x-axis
7	Decrease		A visual representation that shows a numerical relationship.
8	Pattern		To go down
9	Algebraic Expression		When the graph of a relation is a straight line.
10	Variable		$Y = 6$
11	Constant		$X = 4$
12	Horizontal Axis		A design or sequence that is predictable because part of it repeats.
13	Relation		A slanted line
14	Equation		How much something is worth or the output of a calculation.
15	Value		$Y = 3x + 7$
16	(2, 7)		When two variables are related, they form a ...
17	Ordered Pair		$Y = 3x + 8$
18	(3, 4)		A set of two numbers named in a specific order; represented by (x, y)
19	Vertical Line		$Y = 5x + 7$
20	Horizontal Line		y-axis
21	Oblique Line		To go up

