

Name: _____

Date: _____

Wksht 6.3

1. Suri drives at an average speed of 90 km/h. The equation relating distance, d , and time, t , is $d = 90t$.

a) Complete a table of values to represent the relation.

b) Show the relationship on a graph.

c) How long does it take Suri to drive 630 km?

2. For each linear equation, create a table of values and a graph.

a) $b = -2a - 15$ b) $t = -3$ c) $g = \frac{f}{4} - 2$

3. Create a graph and a linear equation to represent each table of values.

a)

x	y
-3	4
-2	4
-1	4
0	4
1	4
2	4
3	4

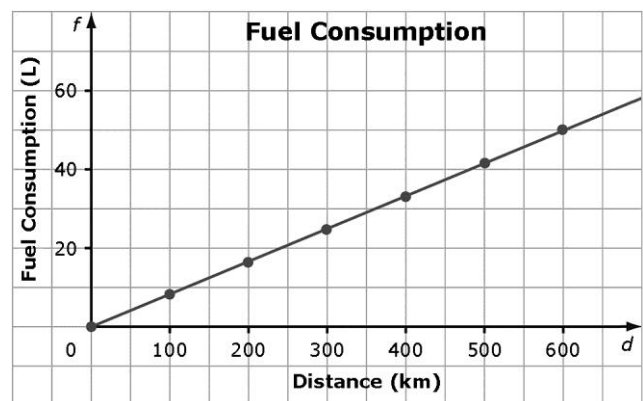
b)

a	g
10	8
11	8.5
12	9
13	9.5
14	10
15	10.5

c)

t	d
0	-2.0
1	-1.75
2	-1.5
3	-1.25
4	-1
5	-0.75

4. The graph shows the relationship between the fuel consumption, f , in litres (L), and the distance driven, d , in kilometres (km).



a) What is the linear equation?

b) How far could you drive with 34 L of gas?

c) Is it appropriate to interpolate or extrapolate values on this graph? What assumption is being made? Explain.