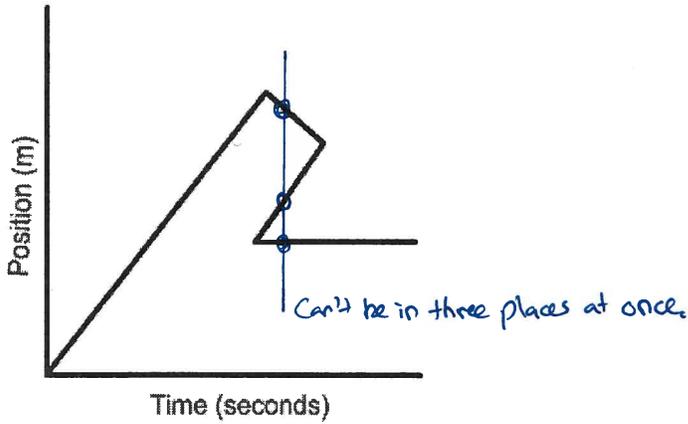First Name:_____   Last Name:_____

L27 – 6.2 – Formative Quiz– Linear & Non-Linear Graphs

Q1: Explain why the graph of a boy running represents an impossible situation. *(1 mark)*

Can't be in three places at once.

Q2: *Explain* whether each relation is linear or non-linear. *(4 marks)*

a) $C = 2\pi r$ Linear.

b) $A = s^2$ Not linear.

c) $y = 5x - 3$ Linear.

d) $(0,0), (1,1), (4,2), (9,3), (16,4)$

x	y
0	0
1	1
4	2
9	3
16	4

Non-linear.

MARKING

Beginning	$0-2$
Progressing	$2.5-3.5$
Competent	$4-4.5$
Exemplary	5