

1		$y = 3x - 6$	M1	for a correct method to find the gradient of the line, or $m = 3$ OR identifies -6 as the intercept in words or in a partial equation OR $y - b = m(x - a)$ where $m \neq 3$ and (a, b) is a correct coordinate	Just ringing -6 is insufficient Award of this mark implies the first M1 c must be seen either as a letter or a number
			M1	for $y = 3x + c$ or ($L \Rightarrow$) $3x - 6$ or $y = "3"x - 6$ OR $y - y_1 = 3(x - x_1)$ or $y - b = "3"(x - a)$ where (a, b) is a correct coordinate	
			A1	accept $y = 3x + -6$ oe	

2	(a)	10	B1	cao	May be shown on graph
	(b)	30	M1	for using the graph to take one correct reading	
			A1	30 or fit from correct use of graph	

3		2	B1	cao	
---	--	---	----	-----	--

4	(a)	80	B1	cao	"Yes" may be implied from wording Ignore any references to actual readings from the graph
	(b)	8	B1	cao	
	(c)	Yes and reason	C1	for yes and reason Acceptable examples Yes, because 27 is greater than 7 Yes, because the drop is 20 more Yes, the gradient is steeper (in the first 3 mins) and is then less steep (in the last 3 mins) Yes, because the drop is 20 less in the last 3 mins Yes, because the drop is more Not acceptable examples No Yes, because the drop is 20 less	