Question 17 (8		(8 marks)
Indie was in a line with 24 other people for a slide at a water park. She noticed that the approximate number of people (P) in the line for the slide increased by 1.5% every minute (m) .		
(a)	Write an exponential equation in the form $P = ar^m$ to represent this situation.	(2 marks)
(b)	Determine the approximate number of people in the line after 2 hours.	(2 marks)
After 3 hours, the line started to decrease by 1% per minute.		
(c)	Using this new information, calculate the approximate number of people in line, after Indie initially lined up.	5 hours (4 marks)