Question 2		(7 marks)
A gardener purchases a new lawnmower valued at \$4800. The lawnmower depreciates at a constant rate of \$250 per year.		
(a) (i) Deter	rmine a recursive rule for the value of the lawnmower after n years.	(2 marks)
(ii) Dedu	uce a rule for the $n^{ ext{th}}$ term of this sequence.	(1 mark)
(b) Determine the	he value of the lawnmower after 4 years.	(1 mark)
As part of his business plan, the gardener will sell his lawnmower when its value drops below \$1300.		
(c) Calculate wh	hen the lawnmower will be sold.	(3 marks)