1.	Angela needs \$4000 to pay for a car. She was given two options by the car seller. Option A : <i>Outright Loan</i>			
	A loan of \$4000 at a rate of 12% per annum compounded monthly.			
	(a)	Find		
		(i)	the cost of this loan for one year;	(2)
		(ii)	the equivalent annual simple interest rate.	(2)
	Opt	ion B:	Friendly Credit Terms	
	A 25	5% dep	posit, followed by 12 equal monthly payments of \$287.50.	
	(b)	(i)	How much is to be paid as a deposit under this option?	(1)
		(ii)	Find the cost of the loan under Friendly Credit Terms.	(2)
	(c)	Give a reason why Angela might choose		
		(i)	Option A	
		(ii)	Option B	(2)
	To help Angela, her employer agrees to give her an interest free loan of \$4000 to buy the car. The employer is to recover the money by making the following deductions from Angela's salary:			
			\$x in the first month,	
			\$y every subsequent month.	
	The total deductions after 20 months is \$1540 and after 30 months it is \$2140.			
	(d)	Find	x and y .	(4)
	(e)	How	many months will it take for Angela to completely pay off the \$4000 loan? (Total 15 m	(2) arks)