1) Table below shows the monthly deposits that were made into an investment account that pays $12 \%$ compounded monthly. Find the value of this investment at the end of 2012.

| Year | Monthly deposit |
| :--- | :--- |
| 2013 | RM100 |
| 2014 | RM200 |
| 2015 | RM300 |

2) Razif borrowed RM70,000 form a bank for 5 years at 6\% compounded monthly
i) Find the monthly payment
(3 marks)
ii) If he has not paid his first 3 monthly payments, how much should he pay on the $4^{\text {th }}$ payment to settle all the outstanding arrears?
(3 marks)
iii) Immediately after paying the $24^{\text {th }}$ monthly payment, he wants to settle the balance of the debt with a single payment. How much should this payment be?
(3 marks)
3) Malinda bought a terrace house for RM185,000. She paid a 10\% down payment and the balance was borrowed form a bank that charged interest at the rate of $3.5 \%$ compounded monthly. This loan would be paid in monthly installments for 10 years. Find
i) The monthly payment
(3 marks)
ii) The total interest charged
(2 marks)
4) Luqman took a loan from First Nasional Bank that charged interest of 4\% compounded monthly. He has to pay RM1,000 each month for 15 years to settle the loan.
i) Find the amount of the loan.
(3 marks)
ii) If Luqman failed to pay the first 3 monthly payments, find the amount he has to pay on the $4^{\text {th }}$ payment in order to settle the outstanding payments.
5) The cash price of an apartment is RM80,000. Suhaimi bought the apartment through an installment plan for $121 / 2$ years and the interest rate charged was $8 \%$ compounded monthly.
i) Find the equal monthly installment.
ii) After paying 1 year, Suhaimi decide to settle all the outstanding balance. Find the amount Suhaimi had to pay on the $13^{\text {th }}$ payment. What is the total interest charged?
6) Daus plans to buy a house that costs RM180,000. He can afford to pay $10 \%$ as a down payment. The balance must be financed by Suci Bank that charges an interest rate of $8.64 \%$ compounded monthly. Daus agrees to pay the loan in monthly installments for 15 years.
i) How much is Daus's monthly installment?
ii) How much did Daus actually pay for the house?
iii) Calculate the total interest that is charged to Daus.
