Numerical Analysis (630262) Section 2: Quiz (2) 1st 2014-2015

Name: -   **No.**

It is required to <u>apply 3rd Newton interpolating polynomial</u> for the following data to approximate <u>f(8.25)</u> . Then find the <u>1st order general polynomial</u> and <u>compare your results</u>. What <u>conclusion can you make</u>?

Data point Number k	Annual Interest Rate i_k	Monthly Payment $A_k = f(i_k)$
0	7 %	$ 665.30
1	10 %	$ 877.57
2	8 %	$ 733.76
3	9 %	$ 804.62