

## QUIZ NUMBER 5 FOR MTH 101

AYMAN BADAWI

Name \_\_\_\_\_, Id. Num. \_\_\_\_\_, Score  $\frac{\quad}{15}$

**QUESTION 1.** *You deposited 10,000 Dhs into an account that pays 8% compounded quarterly.*

1) *What is the total interest that you will earn in 8 years from now?*

2) *What is the interest that you will earn during the 8th year?*

3) *How long will it take for your money to reach 25 thousand Dhs (give your answer to the nearest year)*

DEPARTMENT OF MATHEMATICS & STATISTICS, AMERICAN UNIVERSITY OF SHARJAH, P.O. BOX  
26666, SHARJAH, UNITED ARAB EMIRATES  
E-mail address: [abadawi@aus.edu](mailto:abadawi@aus.edu), [www.ayman-badawi.com](http://www.ayman-badawi.com)