

QUIZ NUMBER NINE FOR MTH102 SPRING 007

AYMAN BADAWI

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

**QUESTION 1.** 1) evaluate  $\int \frac{2x+1}{(x^2+x+1)^5} dx$

2) Evaluate  $\int \sqrt[5]{x^2} + 4/x + x^3 + 1 dx$

3) Evaluate  $\int (x^3 + 12x + 2)^{12} (x^2 + 4) dx$

4) Evaluate  $\int 2(x^2 + 4)^4 x dx$

5) Evaluate  $\int 6(3x^4 + 7)^5 x^3 dx$

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)