

**Quiz 8, MTH 205, Fall 2014**

Ayman Badawi

**QUESTION 1.** (i) Solve :  $y' = (1 + x)e^{(x-4y)}$ (ii) Solve:  $y' = \frac{1}{(4x+y)^3 \sin(4x+y)} - 4$ **Faculty information**

Ayman Badawi, Department of Mathematics & Statistics, American University of Sharjah, P.O. Box 26666, Sharjah, United Arab Emirates.  
E-mail: [abadawi@aus.edu](mailto:abadawi@aus.edu), [www.ayman-badawi.com](http://www.ayman-badawi.com)