

## MTH 111, Math. for the Architects, Quiz three Spring 2014

Ayman Badawi

**QUESTION 1.** Find a parametric equations of the line that passes through  $(1, 4, 2)$  and  $(0, 1, -1)$ .

**QUESTION 2.** The line  $L_1 : x = 2 + 3t, y = 2 + t, z = 4t$  intersects the line  $L_2 : x = 2 + s, y = 7 + 2s, z = 5 + 3s$  at a point  $Q$ . Find  $Q$ .

### 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)