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MTH 111 Math foe Architects Spring 2014, 1-1

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

Ayman Badawi

**QUESTION 1.** An equation of the plane P is 3x + 4y - 5z = 12 and an equation of the line L is x = 1 + 2t, y = 1 + t, z = 1 + 2t. Does L intersect P? If no, find |LP| (the distance between L and P).

**QUESTION 2.** Given that the three points : (1,1,0), (2,1,0), (3,3,1) lie in the plane P. Find an equation of P.

## **Faculty information**