

Math 241, Sections BL1 and BL2

Quiz # 1

September 11, 2012

Solve both exercises. Show work to get credit.

- 1) [5pts.] Find the cross product $\vec{a} \times \vec{b}$ where $\vec{a} = \vec{j} + 6\vec{k}$ and $\vec{b} = 5\vec{i} - \vec{j} + 2\vec{k}$.
- 2) [5pts.] Find an equation of the plane through the point $(9, 1, 2)$ and with normal vector $6\vec{i} + \vec{j} - \vec{k}$.