

Math 32 A: HW6 Due Wednesday, November 12, 2008

- **Homework Details**

1. Only use the front side of the paper.
2. Write your name, ID number and section number on the back of the last page.
3. Homework will be graded on a 10 point scale. Three problems (chosen by the instructor) will be graded for 2 points each, and 4 points will be given for completeness of your work.
4. HW due at the end of class. No credit for late HW, no exceptions.

Assigned Problems

- **Section 15.4**

Problems 1-5,11-13,26-28,42

- **Extra Credit:** The surfaces $x^2yz=1$ and $xy + yz + zx = 3$ both pass through the point $(1, 1, 1)$. The tangent planes to these surfaces meet in a line. Find parametric equations for this line.