

AME 60611

Homework 7

Due: Friday 14 October 2005, in class

1. Kaplan, p. 128: 8b; give a plot showing the surface and the tangent plane at the point indicated.
2. Kaplan, p. 130: 18
3. Kaplan, p. 186: 13; use Cartesian index notation for this problem.
4. Kaplan, p. 195: 7
5. Kaplan, p. 287: 5d
6. Kaplan, p. 301: 2c
7. Kaplan, p. 312: 1b; Plot the curve C in xyz space
8. Course notes, p. 182: 6.5
9. Course notes, p. 183: 6.17
10. Course notes, p. 184: 6.25