

AME 60611

Homework 7

Due: Friday 16 October 2009, in class

1. Kaplan, p. 128: 8c; give a plot showing the surface and the tangent plane at the point indicated.
2. Kaplan, p. 130: 18
3. Kaplan, p. 186: 14; use Cartesian index notation for this problem.
4. Kaplan, p. 195: 6
5. Kaplan, p. 287: 5c
6. Kaplan, p. 301: 2d
7. Kaplan, p. 312: 1a; Plot the curve C in xyz space
8. Course notes, p. 202: 6.5
9. Course notes, p. 203: 6.17
10. Course notes, p. 204: 6.25