

EASTERN NAZARENE COLLEGE
PY 312 Applied Mechanics

Spring 2007

Homework Assignment #13

Due: December 10, 2007

Douglas Davis, Classical Mechanics

Chapter 9, Problems 1a)*, 1c)*, 5, 8, 9b), 10a), 10b)*, 12*, and 23

- For problem 1a) use polar coordinates
- For problem 1c) use spherical coordinates
- For problem 10b) use the parallel-axis theorem
- For problem 12 work only second part $\rho(r) = \rho_0 \left(\frac{r}{A} \right)$