

Homework #5, Due Thursday, May 3

10.1# 11–15 (Note: #15 should say “ $(x, y) \in \mathbf{R}^2$ ”)

10.3# 3–19 odd, 29, 37–43 odd

and the problem below.

Problem H-6. A diameter of a sphere has endpoints at coordinates $(1, 2, 7)$ and $(5, 8, 9)$. Give the formula for the sphere. Also give the formula for the lower hemisphere. *Hint: Calculate the center and the radius.*