MATH CAMP

Problem Set 6

1. S&B 18.5, 423. Hint: The distance from the origin to (x, y, z) is the square root of $x^2 + y^2 + z^2$. Minimizing the sum of the squares also minimizes the distance.

2. S&B 18.7, 423.

3. S&B 18.10, 434.

4. S&B 18.11, 434.