

Assignment 4

Coverage: 15.5 and parts of 15.7 in Text.

Exercises: 15.5. no 3, 4, 21, 23, 25, 29, 32, 33, 38, 39, 42, 44; 15.7. no 10, 12, 16, 20.

Submit 15.5 no. 29, 42 and 15.7 no 16 by Feb 9.

Supplementary Problems

These two optional problems are for those who are interested.

1. Read the proof of Theorem 1.16 and fill in the details.
2. Look up internet for derivations of the formula for the volume of the n -dimensional ball.