

Math 196: Linear Algebra for Business Students

Assignment 5

Due October 17, 2013, by 12:00pm (noon) in Johnson 117A

1. From Section 1.5 of the textbook, do questions # 8, 10, 12, 14, 16, 18, 20, 22, 26.
2. From Section 1.6 of the textbook, do questions # 8, 10, 20, 22, 28, 32, 40, 42, 46.
3. If

$$\sum_{i=1}^{15} a_i = 135, \text{ and } \sum_{i=1}^{15} (a_i)^3 = 412, \text{ and } \sum_{i=1}^{15} (1 + a_i)^3 = 1513$$

then evaluate $\sum_{i=1}^{15} (a_i)^2$.