Assignments should be neatly-written, well-organized and concise.
If you miss a class and need to get an assignment, see
http://www.math.uakron.edu/~dpstory/
All class assignments and other announcements will be posted on this web site.

1. Define upper and lower Riemann-Stiltjes integrals by
\[
\int_a^b f \, d\alpha = \inf_{P} U(f, P, \alpha) \quad \int_a^b f \, d\alpha = \sup_{P} L(f, P, \alpha)
\]
respectively (Here, we take the sup and inf over all partitions, \( P \), of the interval \([a, b]\)). Use Lemma 6.3 to prove that
\[
\int_a^b f \, d\alpha \leq \int_a^b f \, d\alpha
\]
Use proper terminology (from Adv. Calc I) and precise reasoning.

§6.4, pages 135
2. Problems 2 and 4.
4. Problem 8.