Homework Assignment for Week 16

1. Section 8.1: Problems 5, 11, 15, 23, 25, 27, 29, 33, 35, 65, 71, 73.
2. Section 8.2: Problems 11, 17, 27, 28, 33, 34, 35, 37, 45, 57, 63, 65, 67.
3. Section 8.2: Derive formula 75 76 of 'A brief table of integrals' near the end of the textbook. Then derive similar formula for $\int (\tan^m x)(\sec^n x)\, dx$.
4. Section 8.3: Problems 3, 5, 13, 35, 37, 45, 47, 48, 54, 57.
5. Section 8.4: Problems 1, 3, 21, 23, 27, 29, 32, 35, 37, 39, 41, 43, 45, 47, 49.
6. Chap 8: Problems 41, 43, 45, 47, 49 (p 512).
7. Chap 8: (Important) As time permits, do as many as you can in odd number problems 69-115, p 509. They contain all the integration techniques and you have to figure out which one(s) to use for each problem.