

Homework Assignment for Week 16

1. Section 8.2: Problems 5, 11, 15, 23, 25, 27, 29, 33, 35, 43, 45, 51, 63, 71, 75, 76.
2. Section 8.3: Problems 11, 17, 27, 28, 33, 34, 35, 37, 45, 57, 63, 65, 67.
3. Section 8.3: Derive formula 75 76 of ‘A brief table of integrals’ near the end of the text-book (take $a = 1$ for simplicity). Then derive similar formula for $\int (\tan^m x)(\sec^n x) dx$.
4. Section 8.4: Problems 3, 5, 13, 23, 35, 37, 45, 47, 48, 54, 57.