

You are encouraged to work in groups of two to four on this assignment and make a single group submission. Each problem is worth 5 points. For full credit indicate clearly how you reached your answer. All work must be legible and submitted on clean paper without ragged edges.

1. Do #46 in §7.1.
2. Derive line 75 of the Table of Integrals at the end of the book.
3. Derive line 31 of the Table of Integrals at the end of the book.

4. Evaluate $\int \frac{1}{(x+a)(x+b)} dx$, with $a \neq b$.