

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 #40 from the Chapter 11 Review.
2. Do #56 from the Chapter 11 Review.
3. Do #10 in §11.10.
4. Use a MacLaurin polynomial to approximate $\sqrt[5]{e}$ to at least four decimal places. How do you know (apart from finding the decimal approximation by some other means) that your answer is accurate?