Proofs

Please answer the following questions with constructive feedback.

- **Set-up.** Does the proof include the statement to be proven, followed by the word "Proof", and an introductory statement within the proof?
- **Proof Technique.** Are the assumptions and proof techniques correctly articulated?
- Mathematical Correctness. Are all of the mathematical terms and computations are correct?
- Mathematical Relevance. Are all of the mathematical statements and computations relevant?
- **Conclusion.** Is there an appropriate conclusion for the proof technique, a concluding statement, and some form of "Q.E.D"?
- **Format.** Is there quality in the formatting and appearance? Are the wording and grammar correct? Are symbols used only where appropriate?