

Homework 00 grading guidelines

1. a. (5 points) 1 point per answer. 0 points if incorrect.
b. (5 points) 5 points for correct answer. 4 points for a minor mistake. 0 points if incorrect.
2. (10 points) Show proof using product rule.
3. (5 points) – 2 for ellipses, 3 for set builder notation.
4. a. (5 points) – 1 for saying that it is not closed, 4 for proof. Counter examples are accepted.
b. (5 points) – 1 for saying that it is closed. 4 for proof. Just examples are not sufficient here. A weak proof fetches 2 points.
5. (10 points), 5 for each direction.
6. (10 points), proof by contradiction.
7. a. (3 points) 1 for stating that the claim is not refuted. 2 for saying why.
b. (3 points) 1 for stating that the claim is not refuted. 2 for saying why.
c. (4 points) for giving the correct statement. Minor mistakes will fetch 1 point.