

Assignment 1

Name: Firstname Lastname
NetID: abc123
Collaborators: Leonhard Euler, Bernard Bolzano
Course: Course Name §123
Instructor: Professor Name
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Exercise 1.2.3. Exercise text

Solution. Your answer here.

Exercise 1. Exercise text

Proof. Your proof here.

You may want to write an induction proof. You can use the induction commands as follows:

Base case

This is your base case.

Induction hypothesis

This is your induction hypothesis.

Induction step

This is your induction step.

Thus by the principle of mathematical induction, we have proven our theorem. ■

Exercise. Exercise text

Solution. Your solution here.

Theorem 1. *This is a theorem.*

| *Proof.* Your proof here. ■

Lemma 2. *This is a lemma.*

| *Proof.* Your proof here. ■

Corollary 3. *This is a corollary.*

| *Proof.* Your proof here. ■

Definition 4. This is a definition.