

Assignment 1

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Course: Course Name §123
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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

Theorem 1. *This is a theorem.*

Lemma 2. *This is a lemma.*

Definition 3. This is a definition.