

IV054 2019 Homework 1  
Crypto Coder (123456)  
July 18, 2019

**Question 1.**

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This is my answer to the first question.

Don't forget to fill in your personal and class information at the top!

**Question 2.**

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This question's number will be auto-incremented.

**Question 5.**

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Questions 2 and 3 were not solved, this is an answer to question 5.

**Question 6.**

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Use the `alphaparts` environment to for letters.

- (a) Part a
- (b) Part b
- (c) Part c

**Question 7.**

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You can still do things like nesting lists inside of these environments.

- (a) part a
  - (i) making point number 1
  - (ii) making point number 2
  - (iii) making point number 3
- (b) part b
- (c) part c

**Question 8.**

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Using the `description` environment is a great way to typeset induction proofs!

**Base Case:** Here I have my base case.

**Induction Hypothesis:** Assume things to make proof work.

**Induction Step:** Prove all the things.

Therefore, we have proven the claim by induction on in the `description` environment.