12-345 Homework 0

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Question 1.

This is my answer to the first question.

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

Question 2.

This question's number will be auto-incremented.

3

Super Fancy Named Question This question was given a fancy name!

Question 4.

Question numbers continue to auto-increment, regardless of question type.

Task 5.

This numedquestion has a different question type!

Question 8.

Whoa this question starts at number 8!

Question 9.

Use the arabicparts environment to include the questionCounter number in the list.

9.1) Use LaTeX

9.2) ???

9.3) Profit!

Question 10.

Use the alphaparts environment to for letters instead of numbers.

(a) Use LaTeX

(b) ???

(c) Profit!

Question 11.

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

(a) Use LaTeX

(a) Open terminal

(b) Open vim

(c) Write LaTeX

(b) ???

(c) Profit!

Question 12.

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

Base Case: Here I have my base case. This is usually about 1-2 lines of text that is not entirely difficult to come up with. That doesn't mean it's not important though!

Induction Hypothesis: Assume cool things to make proof work. Look, math:

$$a^2 + b^2 = c^2$$

Induction Step: Prove all the things. When in doubt, write in Latin, because things written in Latin sound more true. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas tempor risus in dapibus aliquam. Donec at euismod dui. In libero turpis, blandit quis vestibulum ac, rutrum sit amet est. Suspendisse nec lacus vel dui lobortis lacinia at sit amet risus. Fusce dui ex, imperdiet nec finibus ut, bibendum a lacus.

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