

Weekly Homework 1

Ian Housman

MTH 311: Introduction to Modern Mathematics

September 20, 2018

Theorem x.yz. Delete this text and write theorem statement here.

Proof. Blah, blah, blah. The square box means that the proof is finished. It's part of the “proof” environment defined in this document. You can use it or not, up to you. \square

Theorem x.yz. When typing math, put a dollar sign before and after, as in “Let $n \in \mathbb{Z}$ ” (check the source code here, as the dollar signs don't show up in the final document). ***This is really important!*** Your document won't look or work right if you don't.

Proof. Blah, blah, blah. \square

Theorem How to TeX a Truth Table. You may want to know how to typeset the following symbols. They are included for reference, but remember you can always Google what you want to know. Often, searching for “latex math conjunction” (or whatever it is you want to find) will do the trick.

This is a truth table:

A	B	$A \wedge B$
T	T	T
T	F	F
F	T	F
F	F	F

These are some commonly-used logic symbols:

$$A \vee B, \neg A, \neg(A \wedge B), \neg A \wedge \neg B, A \implies B, P \iff Q.$$

When you are happy with your work, do the following:

1. Click “Save” above
2. Click “PDF” above
3. Download your PDF document
4. Upload your PDF document to the appropriate D2L dropbox