MATH 3040: CLASS ASSIGNMENT (JAN. 31)

Read *The Art of Proof* [TAP], Chapter 1, if you have not done so already. Also, remember that "reading mathematics" is highly *active* and you should be working things out as you go along, ideally line-by-line. This is not a novel! In particular, if you're not holding a writing instrument in your hand with some paper/pad/board/etc. nearby, you're probably not *really* reading mathematics!

In response to what you have read, consider the following questions:

(1) What is an axiom?
(2) What does it mean that a proposition is deduced from the axioms?
(3) What is the difference between a fact, a proposition, and an axiom?
(4) What should you say and what should you omit in a proof? How does this differ depending on your audience?
(5) What do you think are the goals for this course?
(6) What concerns do you have about taking this course?

and submit your answers to them online at:

> `https://forms.gle/hNxG4i7357DxcUAJ6`

Finally, write out your answer to question (5) on a sheet of paper and turn it in at the beginning of class.