

## Homework: Proofs Reading

**INSTRUCTIONS:** Read the 2 readings: ``about\_proofs" (p. 1 - 9) and ``Deductive versus Inductive"

Write responses to the 6 issues below (please be concise).

**You must type this homework**

*(if you use any math symbols, you may write that part by hand and attach it to the typed part)*

1. Explain the difference between deductive and inductive reasoning.
2. Make up an example of deductive reasoning.
3. Make up an example of inductive reasoning.
4. How does mathematics differ from other disciplines?
5. What is a mathematical proof?
6. What is the history of mathematical proof?