

Day 1: Introduction to Proofs

1. Whiteboard pages 1 and 2.
2. **Proof of the Day:** Whiteboard page 3. (Give a complete proof.)
3. **Work on Day 1 Class Work. Leave 10 – 15 minutes for discussions.**
4. Whiteboard page 4.
 - For Problem #3, start with $n^2 = 2k + 1$ and show how it goes wrong.
5. Whiteboard page 5.
6. Whiteboard page 6.
 - The proof of “If n is even, then n^2 is even” is left for you.