

## Day 29: Polynomial Rings, Part II

1. Whiteboard pages 1 through 3.
2. **Work on Day 29 Class Work. Leave 15 minutes for discussions.**
3. Whiteboard pages 4 and 5.
  - **Page 5:** Label “easier” and “harder” (i.e., to prove) in the Example.
4. **Proof of the Day:** Whiteboard page 6.
  - **Key:** The constant  $r$  is unaffected by the substitution  $x = a$ .