

Day 17: Homomorphisms, Part I

1. Whiteboard pages 1 through 3.
 - **Page 2:** All properties of homomorphisms apply to isomorphisms, too.
2. **Work on Day 17 Class Work. Leave 15 – 20 minutes for discussions.**
3. Whiteboard pages 4 through 6.
 - **Page 5:** In other words, θ preserves the identity.
 - **Page 6:** Let's turn this into a proof!
4. **Proof of the Day:** Whiteboard page 7.
5. Whiteboard page 8.