

## Day 10: Matrix Groups

1. Whiteboard pages 1 and 2.
2. **Work on Day 10 Class Work. Leave 10 – 15 minutes for discussions.**
3. Whiteboard page 3.
4. **Proof (Outline) of the Day:** Whiteboard page 4.
  - This is just like how we obtained  $U_m$  from  $\mathbb{Z}_m$ .
5. Whiteboard page 5.