## **Office Hours**

Hours For HW help: Wed 11-12 - 254 CB Fri 12-1 - 392 CB

Normal hours in 435K CTB: Mon 12:30-2:30

## **Groups and Vector Spaces**

- They are ways of describing mathematical structures with specific properties.
- Groups are more general than vector spaces
  - A vector space is an abelian group with additional structure (scalar multiplication)
- https://en.wikipedia.org/wiki/Group (mathematics)
  )#First example: the integers
- We really only care about SO(2), SE(2), SO(3), SE(3) groups in this class.