

**Jan 22**

**Review 3.1**

- Do lots of examples
- Relate range to span
- Relate kernel to linear ind
- Relate onto to spanning
- Relate one-to-one to no free variables
- Do the unifying theorem

**3.2 Matrix Algebra**

- Do the product  $AB$  as columns
- Matrix multiplication is function composition
- Do transposes
- Do powers
- Do elementary row operations
- Do partition matrices if time.