Week 10 Lectures Math 375 Spring 2010

Section 5.5: Binomial Identities
Binomial Theorem, identities via counting strings and subsets etc, identities via binomial theorem and algebraic manipulations.

Section 6.1: Generating Function Models
Formal power series, products of series, coefficients in products, representing answers as coefficients.

Section 6.2: Calculating Coefficients of Generating Functions
Binomial theorem, formula for $\frac{1}{(1-x)^n}$, products.