Reading Questions 22

page 132: Definition 6.6

page 133: Definition 6.8

1. A number $\binom{3}{2}$ is a binomial coefficient.

2. A number $\binom{3}{2}$ is $\frac{3!}{3!(3-2)!}$.

3. Write the element of $\binom{[3]}{2}$?

Section 6.1 The Fundamental Counting Principle (Part 1)

FCP

P 1. Let G be a group such that $x, y \in G$. Let H be a subgroup of G. Show that $xH = yH$.

P 2. Does the proof of Lagrange's theorem work for right cosets?