

## **7<sup>th</sup> Grade Homework #5A**

**Due Date: April 13, 2014**

**1.**

How many nine-digit numbers can be made using each of the digits 1 through 9 exactly once with the digits alternating between odd and even.

**2.**

In a math class, 12 out of 15 girls are freshmen and 11 out of 15 boys are freshmen. What is the probability that in a randomly selected group of five students from the class, there will be two freshmen girls and three freshmen boys?

**3. A subcommittee consists of 3 girls and 3 boys.**

We have to choose 3 girls from a total of 8 girls and 3 boys from a total of 10 boys.

**How many different subcommittees can be formed?**