Math 310 Problem Solving for High School Teachers
Spring 2016
Lecturer: Dr. Paullin
Homework 4-Graph Theory
Writing 3-What Is Math? Reflection

Be prepared for **Exam 4 on Monday, April 11th**. Exam 4 will cover graph theory and will contain a Chromatic Number problem and a Euler path or circuit problem.

Homework 4 - Graph Theory
Write up your solution to the following problem, which we solved in class:

A **complete graph** is a graph in which every pair of distinct vertices is connected by a unique edge. Prove using induction that a complete graph with n vertices contains $n(n-1)/2$ edges.

Homework 4 is due Wednesday, April 13th.

Writing 3 - What is Math? Reflection

Read Chapter 1 (pages 15-30) of "What's Math Got To Do With It?" by Jo Boaler. Write a two page reflection on what math means to you. Questions to consider may include: *Do you see your version of math in classrooms? If so, explain. If not, how do you hope to introduce this to your classroom?*

Writing 3 is due Friday, April 15th.