(1) Due Thursday: January 31.

(a) Access the New York State Common Core Standards for Mathematics. You can find these standards by exploring the first web link on the course policy. Either print a copy to have available in class or plan to have an electronic copy available in class.

(b) On the first day of class, we discussed various sets of numbers, including natural numbers, integers, rational numbers, real numbers, complex numbers, and various inclusions. We also discussed algebraic motivations for studying larger sets of numbers. Look through the Common Core Learning Standards, and determine which standards—at various grade levels—were addressed in our discussion. Bring your work to class on Thursday.

(2) Due Tuesday: February 5.

We will take a Exam 1 in class on Tuesday, February 5. You should review for this, perhaps by taking a few practice exams over the weekend. You can find many old exams here: http://www.nysedregents.org/

(3) Due Thursday: February 7.

Each student should plan to lead a 20-25 minute class discussion. The topic of the discussion, and additional details, will be given in class. Your discussion should be at the mathematical level of your peers, but should include significant connections to high school mathematics and the New York Common Core Standards.