The first exam is on Wednesday October 10th. You will have one hour, 1:30pm-2:30pm, to complete the exam. Bring a photo ID with you to the exam. **No notes or calculators will be allowed during the exam.**

The exam will cover sections: 1.6, 1.7, 4.2, 4.3, 5.3, 5.4 and 5.5 from the book. Make sure you are comfortable with *all* of the assigned homework problems from these sections.

**Topics and Breakdown of the Exam**

- (20 points) **Integral Exponents** - Combine the exponentiation rules you’ve learned to *simplify* exponential expressions.

- (20 points) **Scientific Notation** - Convert from decimal to scientific notation and vice versa. Perform computations with numbers written in scientific notation. Solve “word” problems involving scientific notation.

- (20 points) **Compound Inequalities** - Solve compound inequalities involving the word *and*. Solve compound inequalities involving the word *or*. Be able to express solution sets graphically and in interval notation.

- (20 points) **Absolute Value** - Solve absolute value equations (with one or two absolute values appearing). Solve absolute value inequalities.

- (20 points) **Factoring** - Combine factoring techniques (GCF, grouping, “reverse” FOIL, substitution) and special factor forms (difference of squares, perfect square trinomials, sum/difference of cubes) to factor polynomials of one or two variables.