The lab exam will cover the subjects and activities from our labs this quarter. These activities were drawn from chapters 5, 6, and 8-10 in your explorations manual and from handouts distributed in the lab. Emphasis will be placed on material covered since the midterm (chapters 8-10).

To prepare for the exam, you should review your lab notes and completed handouts. You will be allowed to use your notes and handouts but not the textbook or explorations manual. Below is a list of the activities we have covered this quarter.

1. Chapter 5: Extending the Number System
   (a) Exploration 5.1: Understanding Integer Addition
   (b) Exploration 5.2: Understanding Integer Subtraction
   (c) Exploration 5.3: Understanding Integer Multiplication
   (d) Exploration 5.4: Understanding Integer Division
   (e) Handout: Calculator Policy
   (f) Exploration 5.8: Fractions with Different Manipulatives
   (g) Handout: Interpreting Fractions
   (h) Handout: Fraction Sense on a Number Line
   (i) Handout: Modeling Operations on Fractions
   (j) Exploration 5.10: Ordering Fractions
   (k) Exploration 5.15: Remainders
   (l) Exploration 5.16: Decimals and Base 10 Blocks
   (m) Exploration 5.18: Right Bucket - a Decimal Game

2. Chapter 6: Proportional Reasoning
   (a) Exploration 6.2: Safety First?
   (b) Exploration 6.4: Proportional Reasoning and Functions
   (c) Exploration 6.5: Exploring Percents
   (d) Exploration 6.7: Reducing, Enlarging, and Percents

3. Chapter 8: Geometry as Shape
   (a) Exploration 8.1: Geoboard Explorations
   (b) Exploration 8.2: Tangram Explorations
   (c) Handout: Axiomatic Systems
   (d) Exploration 8.10: The Sum of Angles in a Polygon
   (e) Exploration 8.11: Congruence
   (f) Exploration 8.12: Polygons With Various Attributes
   (g) Exploration 8.13: Polygons and Relationships
   (h) Exploration 8.17: Block Building
   (i) Exploration 8.19: Nets

4. Chapter 9: Geometry as Transforming Shapes
   (a) Exploration 9.3: Polyomino Explorations
   (b) Exploration 9.8: Symmetric Groups
(c) Exploration 9.9: Tessellations
(d) Exploration 9.11: Similarity with Pattern Blocks
(e) Exploration 9.12: Similar Figures
(f) Handout: Basic Geometric Constructions

5. Chapter 10: Geometry as Measurement
   (a) Exploration 10.8: Area on Geoboards
   (b) Exploration 10.1: How Far Is It?
   (c) Handout: Discovering Pick’s Formula
   (d) Exploration 10.13: Relationships between Area and Perimeter
   (e) Exploration 10.9: Exploring the Area of a Circle
   (f) Handout: Proofs of the Pythagorean Theorem

Note: Activities covered at the beginning of our last lab will not be included on the lab final.