TOPICS FOR FINAL EXAM

Chapter 6

Solve system of equations

Chapter 7

Solve algebraic ratios

Use scale ratios to find actual length or scale length

Find missing sides or angles in similar triangles

Chapter 9

Use experimental results to predict probability

Find probability of independent events (choices are replaced)

Find probability of dependent events (choices are not replaced)

Find probability of combined events

Find number of arrangements of a group of objects

Permutations

Combinations

Read box-and-whisker plot

Chapter 10

Simplify radicals

Multiply and simplify radicals

Use Pythagorean theorem to find missing sides

Solve 30-60-90 triangle for missing sides

Solve 45-45-90 triangle for missing sides

Use circle rules to find missing angles or segment lengths

Chapter 14

Calculate sine, cosine, and tangent from a given right triangle

Use sine, cosine or tangent to find missing angle measure in a right triangle

Chapter 11

Add and subtract polynomials

Distribute factor over a polynomial quantity

Multiply binomials (FOIL)

Factor polynomials

Chapter 12

Solve a quadratic equation by factoring or using the quadratic formula