Section 1.6
- I can multiply like bases.
- I can divide like bases.
- I know how to handle a zero exponent.
- I know how to write a number in scientific notation.
- I know how to expand a number already written in scientific notation.

Section 1.7
- I can raise a power to a power.
- I can multiply two numbers in scientific notation.
- I can divide two numbers in scientific notation.
- I can simplify expressions combining all of my exponent rules.

Section 2.1
- I can determine whether a number is a solution to a linear equation.
- I can solve a linear equation.
- I can solve a linear equation containing a fraction.
- I can determine when an equation has no solutions.
- I can determine when an equation has infinitely many solutions.

Section 2.2
- I can read a problem and write the algebraic expression.
- I know what consecutive (even/odd) integers mean.
- I know how to find perimeter.
- I know how to find area.

Section 2.3
- Given a formula, I can solve for a specified variable.
- I know the compound interest formula.
- I can use the compound interest formula.

Section 2.4
- I know how to solve a linear inequality.
- I know how to graph my solution to a linear inequality on a number line.
- I know how to give my answer in interval notation.
- I know that when I multiply or divide by a negative that I switch the direction of the inequality.

Section 2.5
- I know how to solve a compound inequality containing “and”.
- I know how to solve a compound inequality containing “or”.
Section 3.1
□ I can plot ordered pairs on a rectangular coordinate system.
□ I can locate the quadrant that a point appears in.
□ I can determine whether a given point is a solution to an equation in two variables.
□ I can graph a linear equation by using a t-table.
□ I know how to find the x-intercept.
□ I know how to find the y-intercept.
□ I know how to graph horizontal lines.
□ I know how to graph vertical lines.

Section 3.2
□ I have memorized the formula for slope.
□ I can find slope given two points.
□ I know what the slope-intercept form of a line is.
□ I can put a linear equation in slope-intercept form by solving for y.
□ I can find the slope of a horizontal line.
□ I can find the slope of a vertical line.
□ I can find the slope of a line by looking at a graph.
□ I can determine if two lines are parallel, perpendicular, or neither.

Section 3.3
□ I can graph a line using its slope and y-intercept.
□ Given the slope and y-intercept, I can write the equation of the line.
□ I can solve a word problem dealing with a linear equation.

Section 3.4
□ I have memorized the point-slope formula.
□ Given a point and a slope, I can use the above formula to write the equation of the line.
□ I can write the equation of a vertical and horizontal line.

Section 3.5
□ I know the steps to graphing a linear inequality.
□ I can graph a linear inequality.
□ I can use the compound interest formula.

Section 3.6
□ I know how to give the domain and range of a relation given a set of points.
□ I know how to give the domain and range of a relation given a graph.
□ I know how to give the domain and range of a relation given a map.
□ I know how to determine if a relation is a function by looking at the domain.
□ I know how to determine if a graph is a function by using the vertical line test.
□ I know how to use function notation and find functional values.
Section 4.1
- I know the three ways to solve a system of linear equations.
- I can solve a system by graphing the lines and finding their intersection point.
- I can solve a system by using the substitution method.
- I can solve a system by using the elimination method.
- I can determine if a given point is a solution to a given system of linear equations.

Section 4.3
- I can read a word problem and develop a system of equations to model the problem.
- I know the formula for distance.
- I can solve a word problem involving mixtures.
- I can solve a word problem involving descriptions of numbers.

Section 5.1
- I can graph determine the degree of a polynomial.
- I can add and subtract two polynomials.
- I can evaluate a polynomial function for a given value.

Section 5.2
- I can multiply a polynomial and a monomial by distributing.
- I can FOIL two binomials.

Section 5.3
- I can divide a polynomial by a monomial.
- I can divide a polynomial by a polynomial using long division.
- I know what form to write my remainder in after performing long division.

Section 5.4
- I can factor out a GCF (Greatest Common Factor).
- I can factor by grouping.

Section 5.5
- I can factor a trinomial using the trial and check method.
- I can factor a trinomial using the grouping method.
- I can factor a trinomial using the substitution method.

Section 5.6
- I know how to identify the difference of two squares and how to factor it.
- I know how to factor the sum and difference of two cubes.
- I can use the compound interest formula.

Section 5.7
- I can state the zero product property in my own words.
- I can use the zero product property to solve an equation.
- I can solve an equation containing fractions.
- I know the Pythagorean Theorem.
- I can solve an application problem.
Section 6.1
☐ I can simplify a rational expression by factoring and reducing.
☐ I can multiply rational expressions.
☐ I can divide rational expressions.

Section 6.2
☐ I can add rational expressions with the same denominator.
☐ I can subtract rational expressions with the same denominator.
☐ I can add rational expressions with unlike denominators.
☐ I can subtract rational expressions with unlike denominators.

Section 6.3
☐ I can simplify complex fractions by simplifying the numerator and denominator and then dividing.
☐ I can simplify complex fractions by multiplying by the LCD (Least Common Denominator).
☐ I can simplify expressions with negative exponents.

Section 6.4
☐ I can solve equations containing rational expressions.

Section 6.5
☐ I can solve an equation containing rational expressions for a specified variable.
☐ I can solve a number problem by writing equations containing rational expressions.
☐ I can solve problems modeled by proportions.
☐ I can solve problems about distance, rate and time.

Section 6.6
☐ I know the three types of variation.
☐ I can solve a direct variation problem.
☐ I can solve an inverse variation problem.
☐ I can solve problems involving joint variation.

Section 7.1
☐ I can find square roots.
☐ I can approximate roots using a calculator.
☐ I can find cube roots.
☐ I can find nth roots.

Section 7.2
☐ I can understand the meaning of rational exponents.
☐ I can rewrite an expression containing a rational exponent as a radical expression.
☐ I know the rules for exponents and I can apply them to rational exponents.

Section 7.3
☐ I can multiply two radical expressions using the product rule.
☐ I can divide two radical expressions using the quotient rule.
☐ I can simplify a radical expression.
☐ I know the midpoint formula and I can use it.
☐ I know the distance formula and I can use it.

**Section 7.4**
☐ I can add or subtract radical expressions.
☐ I can multiply radical expressions that contain more than one term.

**Section 7.5**
☐ I can rationalize the denominator of a radical expression.
☐ I can rationalize the numerator of a radical expression.

**Section 7.6**
☐ I can solve an equation that contains a radical expression.
☐ I can use the Pythagorean Theorem to model problems.

**Section 7.7**
☐ I can write square roots of negative numbers in the form a + bi.
☐ I can add or subtract complex numbers.
☐ I can multiply complex numbers
☐ I can divide complex numbers.
☐ I can raise the complex number i to powers.

**Section 8.1**
☐ I can solve quadratic equations by completing the square.
☐ I can write perfect square trinomials.
☐ I can use the square root property to solve quadratic equations.

**Section 8.2**
☐ I know the quadratic formula and can solve problems modeled by a quadratic equation.
☐ I determine the number and type of solutions of a quadratic equation by using the discriminant.
☐ I can solve quadratic equations by factoring and using the zero product property.