P.8 Solving equations

- Solve for x, check your answer
- Linear Equations
    - Is it a linear equation?
    - Solve linear equations
- Equations with fractions
- Equations with powers

1.1 The Coordinate Plane

- Plot and identify ordered pairs(points)
- Sketch regions given by sets
- Find the distance between two points
- Find the midpoint between two points

1.3 Equations of lines

- Find the slope between two points
    - Positive and negative slope
    - 0 slope
    - Undefined slope
- Point slope form
    - Find the equation given slope and point
    - Find the equation give 2 points
- Slope Intercept form
    - Find the equation given slope and y-intercept
    - What does y-intercept mean?

1.4 Quadratic equations

- Zero – Product Property
- Quadratic Equation
- Factoring
- Completing the square
- Quadratic Formula
- Check answers
- Real Solutions vs Complex Solutions

1.5 Complex Numbers

- Complex number form
- Real vs Imaginary Parts
- Complex number
    - Addition
    - Subtraction
    - Multiplication
    - Division
    - Powers

1.6 Other Equations

- Polynomial Equations
- Fractional Expressions
- Equations Involving Radicals