

You should review and be strong in the following topics:

- Solving Linear Equations
 - Be able to solve linear equations more than one way
 - For example: $3x + 1 = x - 2$
 - Solve by starting with subtracting 1
 - Solve by starting with adding 2
 - Solve by starting with subtracting x
 - AFTERWARDS, ALWAYS CHECKING YOUR WORK BY SUBSTITUTING X BACK IN!

- Multiplying Binomials (FOIL or “box method”)
 - For example: $(x + 2)(x - 1)$
 - For example: $(x + 3)^2$

- Multiplying a Difference of Squares (FOIL or “box method”)
 - For example: $(x + 4)(x - 4)$

- Factoring when the leading coefficient is 1
 - For example: $x^2 + 5x + 6$
 - For example: $x^2 + 7x + 6$
 - AFTERWARDS, ALWAYS CHECKING YOUR WORK BY MULTIPLYING BACK!

- Equation of a line ($y = mx + b$)
 - Coordinate Plane (Graphing a line)
 - Finding the slope given two points
 - Vertical vs. Horizontal Lines

- Simplifying Radicals
 - For example: $\sqrt{75}$

- Area Formulas
 - Area of a Square
 - Area of a Rectangle
 - Area of a Triangle
 - Area of a Parallelogram
 - Area of a Circle
 - Circumference of a Circle
 - Do not forget units! ☺

- Surface Area vs. Volume Formulas
 - Surface Area of a Rectangular Prism: $SA = 2lw + 2wh + 2lh$
 - Volume of a Rectangular Prism: $V = lwh$

- Do not forget units! 😊