Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8th Grade Midterm Study Guide  
Chapters 5-7 Textbook

**Parent Signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mid-Term Date**: Thursday, January 18

**Over Christmas Break**: My recommendation is that you spend about 10 minutes a day working on IXL. If you spread out the time spent studying, you will be able to better recall information. On Tuesday, January 2, I will check to see if you have completed 1.5 hours total.

**After Break**: You will take your exponent and radical expressions test. Then, you will review the content from the year so far. This will be done with worksheets and book work. If you would like to study from the book, I recommend the section at the end of each chapter.

**Section 1**: You need to prepare this material for the midterm. Any of it might be on the test.

* Vocabulary
  + Elimination
  + Exponent
  + Index
  + Inequality
  + Negative Slope
  + Parallel Lines
  + Perpendicular Lines
  + Point-Slope Form
  + Positive Slope
  + Radicand
  + Rise
  + Run
  + Simplify
  + Slope
  + Slope-Intercept Form
  + Standard Form
  + Substitution
* Chapter 5: Linear Functions
  + Slope-Intercept Form
    - A1.S.5
    - A1.S.6
    - A1.S.7
    - A1.S.8
    - A1.S.10
    - A1.S.12
  + Point-Slope Form
    - A1.S.20
    - A1.S.21
    - A1.S.22
  + Standard Form
    - A1.S.15
    - A1.S.16
    - A1.S.17
  + Horizontal and Vertical Lines
    - A1.S.18
    - A1.S.19
  + Parallel and Perpendicular Lines
    - A1.S.23
    - A1.S.24
* Chapter 6: Systems of Equations and Inequalities
  + Systems of Equations (Graphing, Substitution, Elimination)
    - A1.U.1
    - A1.U.2
    - A1.U.3
    - A1.U.4
    - A1.U.5
    - A1.U.8
    - A1.U.9
    - A1.U.10
    - A1.U.11
    - A1.U.14
    - A1.U.15
  + Linear Inequalities
    - A1.T.2
    - A1.T.3
  + Systems of Linear Inequalities
    - A1.T.5
    - A1.T.6
* Chapter 7: Exponents and Exponential Functions
  + Zero and Negative Exponents
    - A1.V.3
  + Multiplication Properties of Exponents
    - A1.V.4
    - A1.V.6
    - A1.V.7
    - A1.V.8
  + Division Properties of Exponents
    - A1.V.5
    - A1.V.6
    - A1.V.9
  + Rational Exponents and Radicals
    - A1.V.10
    - A1.EE.6
    - A1.EE.7

**Section 2**: If you are struggling in sections 1 or 2, these IXL skills will help you.

* A1.K.1-3
* A1.K.7
* A1.K.9
* A1.S.2
* A1.S.3
* A1.S.4
* A1.S.9
* A1.S.11
* A1.S.13
* A1.T.1
* A1.V.1
* A1.V.2
* A1.EE.1
* A1.EE.2
* A1.EE.3
* A1.EE.4
* A1.EE.5

**Section 3**: This material will not be on the test.

* A1.K.1-3
* A1.K.7
* A1.K.9
* A1.K.11-15
* A1.S.1
* A1.S.14
* A1.S.25
* A1.T.4
* A1.U.3
* A1.U.6-7
* A1.U.12
* A1.V.9
* A1.X.3
* A1.X.4
* A1.DD.2