

7th Grade Mid-Term Study Guide

References:

Text: Mathematics: Applications and Concepts Course 3
Bailey, Moore-Harris, Day, Ott, Frey, Howard,
Hutchens, McClain, Pelfrey, Price, Vielhaber, Willard
ISBN: 0-07-829635-8
Glencoe Mathematics – McGraw Hill

Handouts distributed in class

Math Journal Notes

Chapter 1: Algebra: Integers

1-1 Page 6 A Plan for Problem Solving
1-2 Page 11 Variables, Expressions, and Properties
1-3 Page 17 Integers and Absolute Value
1-4 Page 23 Adding Integers
1-5 Page 28 Subtracting Integers
1-6 Page 34 Multiplying and Dividing Integers
1-7 Page 39 Writing Expressions and Equations
1-8 Page 45 Solving Addition and Subtraction Equations
1-9 Page 50 Solving Multiplication and Division Equations
Chapter 1 Study Guide and Review Page 54

Chapter 2: Algebra: Rational Numbers

2-1 Page 62 Fractions and Decimals
2-2 Page 67 Comparing and Ordering Numbers
2-3 Page 71 Multiplying Rational Numbers
2-4 Page 76 Dividing Rational Numbers
2-5 Page 82 Adding and Subtracting Like Fractions
2-6 Page 88 Adding and Subtracting Unlike Fractions
2-7 Page 92 Solving Equations with Rational Numbers
2-8 Page 98 Powers and Exponents
2-9 Page 104 Scientific Notation
Chapter 2 Study Guide and Review Page 108
Equivalent Fraction/Decimal (Repeating or Terminating) Handout/Worksheet

Chapter 5: Percent

5-1 Page 206 Ratios and Percent

5-2 Page 210 Fractions, Decimals and Percents

5-3 Page 216 The Percent Proportion

5-4 Page 220 Finding Percents Mentally

5-5 Page 228 Percent and Estimation (compatible numbers)

5-6 Page 232 The Percent Equation

5-7 Page 236 Percent of Change

5-8 Page 241 Simple Interest

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Equivalent Percent/Fraction/Decimal Chart (Handout/worksheet)

Chapter 6: Geometry

Geometry Vocabulary:

- Group Vocabulary Definition Sheets and Mrs. Sanneman's Handout

6-1 Page 256 Line and Angle Measurements

6-2 Page 262 Triangles and Angles

6-3 Page 267 Special Right Triangles

6-4 Page 272 Classifying Quadrilaterals

6-5 Page 279 Angles of Polygons

6-6 Page 286 Symmetry

6-7 Page 290 Reflections

6-8 Page 296 Translations

6-9 Page 300 Rotations

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Chapter 7: Geometry: Measuring Area and Volume

7-1 Page 314 Area of Parallelograms, Triangles, and Trapezoids

7-2 Page 319 Circumference and the Area of a Circle

7-3 Page 326 Area of Complex Figures

7-4 Page 331 Three-Dimensional Figures

7-5 Page 335 Volume of Prisms and Cylinders

7-6 Page 342 Volume Pyramids and Cones

7-7 Page 347 Surface Area of Prisms and Cylinders

7-8 Page 352 Surface Area of Pyramids and Cones

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