



# Quantile Report

## Pearson

**DATE:** Wednesday, August 19, 2009

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**CODES:**

- EM** Emerging Mathematician
- NMQ** Not Measurable in Quantiles
- HMC** Higher Mathematical Concept

Sheila,

Attached is the report for the Algebra 1 Foundations text you submitted for Quantile Calibrations. I have included the contact information for our group here. If you have any questions regarding the meaning of the measures please contact Bridgett McDowell in our Quantile Department. Any questions pertaining to the agreement or future work requests can come to me. Patricia will handle the invoicing.

Thanks and talk to you soon,  
Kanista

# Quantile Textbook Report



## Algebra 1

**Publisher** Pearson

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**ISBN** 0785469176

**ISBN13**

**Author** Charles, Randall I., et al

**StateEdition**

**Grade** Algebra 1

## 1 Foundations for Algebra

1.1 Variables and Expressions	750Q
1.2 Order of Operations and Evaluating Expressions	840Q
1.3 Real Numbers and the Number Line	850Q
1.4 Properties of Real Numbers	820Q
1.5 Adding and Subtracting Real Numbers	890Q
1.6 Multiplying and Dividing Real Numbers	890Q
1.7 The Distributive Property	820Q
1.8 An Introduction to Equations	840Q
1.9 Patterns, Equations, and Graphs	840Q

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## **2 Solving Equations**

2.1 Solving One-Step Equations	890Q
2.2 Solving Two-Step Equations	890Q
2.3 Solving Multi-Step Equations	950Q
2.4 Solving Equations With Variables on Both Sides	950Q
2.5 Literal Equations and Formulas	1000Q
2.6 Ratios, Rates, and Conversions	950Q
2.7 Solving Proportions	950Q
2.8 Proportions and Similar Figures	920Q
2.9 Percents	870Q
2.10 Change Expressed as a Percent	900Q

## **3 Solving Inequalities**

3.1 Inequalities and Their Graphs	840Q
3.2 Solving Inequalities Using Addition or Subtraction	800Q
3.3 Solving Inequalities Using Multiplication or Division	800Q
3.4 Solving Multi-Step Inequalities	980Q
3.5 Working With Sets	NMQ
3.6 Compound Inequalities	840Q
3.7 Absolute Value Equations and Inequalities	1080Q
3.8 Unions and Intersections of Sets	750Q

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## **4 An Introduction to Functions**

4.1 Using Graphs to Relate Two Quantities	780Q
4.2 Patterns and Linear Functions	1190Q
4.3 Patterns and Nonlinear Functions	850Q
4.4 Graphing a Function Rule	1040Q
4.5 Writing a Function Rule	810Q
4.6 Formalizing Relations and Functions	1190Q
4.7 Sequences and Functions	940Q

## **5 Linear Functions**

5.1 Rate of Change and Slope	1140Q
5.2 Direct Variation	890Q
5.3 Slope-Intercept Form	1140Q
5.4 Point-Slope Form	1140Q
5.5 Standard Form	1110Q
5.6 Parallel and Perpendicular Lines	1200Q
5.7 Scatter Plots and Trend Lines	970Q

## **6 Systems of Equations and Inequalities**

6.1 Solving Systems by Graphing	900Q
6.2 Solving Systems Using Substitution	990Q
6.3 Solving Systems Using Elimination	990Q
6.4 Applications of Linear Systems	990Q
6.5 Linear Inequalities	1050Q
6.6 Systems of Linear Inequalities	1150Q

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## 7 Exponents and Exponential Functions

7.1	Zero and Negative Exponents	1000Q
7.2	Scientific Notation	910Q
7.3	Multiplying Powers With the Same Base	1000Q
7.4	More Multiplication Properties of Exponents	1000Q
7.5	Division Properties of Exponents	1000Q
7.6	Exponential Functions	1200Q
7.7	Exponential Growth and Decay	1200Q

## 8 Polynomials and Factoring

8.1	Adding and Subtracting Polynomials	1050Q
8.2	Multiplying and Factoring	1140Q
8.3	Multiplying Binomials	1050Q
8.4	Multiplying Special Cases	1050Q
8.5	Factoring $x^2 + bx + c$	1130Q
8.6	Factoring $ax^2 + bx + c$	1130Q
8.7	Factoring Special Cases	1130Q
8.8	Factoring by Grouping	1130Q

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## 9 Quadratic Functions and Equations

9.1 Quadratic Graphs and Their Properties	1220Q
9.2 Quadratic Functions	1020Q
9.3 Solving Quadratic Equations	1140Q
9.4 Factoring to Solve Quadratic Equations	1200Q
9.5 Completing the Square	1270Q
9.6 The Quadratic Formula and the Discriminant	1200Q
9.7 Linear, Quadratic, or Exponential Models	1150Q

## 10 Radical Expressions and Equations

10.1 The Pythagorean Theorem	1050Q
10.2 Simplifying Radicals	1180Q
10.3 Operations with Radical Expressions	1180Q
10.4 Solving Radical Equations	1350Q

## 11 Rational Expressions

11.1 Simplifying Rational Expressions	1310Q
11.2 Multiplying and Dividing Rational Expressions	1400Q
11.3 Dividing Polynomials	1180Q
11.4 Adding and Subtracting Rational Expressions	1310Q
11.5 Solving Rational Equations	1330Q

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## **12 Data Analysis and Probability**

12.1 Organizing Data Using Matrices	970Q
12.2 Frequency and Histograms	790Q
12.3 Measures of Central Tendency and Dispersion	1050Q
12.4 Box-and-Whisker Plots	960Q
12.5 Samples and Surveys	610Q
12.6 Permutations and Combinations	840Q
12.7 Theoretical and Experimental Probability	860Q
12.8 Probability of Compound Events	920Q