



Quantile Report

Pearson

DATE: Wednesday, September 16, 2009

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CODES:

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

Courtney,

Attached is the report for the Pre-Calculus 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



Precalculus: Graphical, Numerical, Algebraic, 7th ed. Media Update

Publisher	Pearson	Copyright	2010
ISBN	013245775X	ISBN13	
Author	Demana, Waits, Foley, Kennedy		
StateEdition		Grade	Pre-Calculus

0 Prerequisites

0.1	Real Numbers	1000Q
0.2	Cartesian Coordinate System	1240Q
0.3	Linear Equations and Inequalities	980Q
0.4	Lines in the Plane	1200Q
0.5	Solving Equations Graphically, Numerically, and Algebraically	1270Q
0.6	Complex Numbers	1210Q
0.7	Solving Inequalities Algebraically and Graphically	1250Q

1 Functions and Graphs

1.1	Modeling and Equation Solving	1350Q
1.2	Functions and Their Properties	1540Q
1.3	Twelve Basic Functions	1540Q
1.4	Building Functions from Functions	1300Q
1.5	Parametric Relations and Inverses	HMC
1.6	Graphical Transformations	1350Q
1.7	Modeling with Functions	HMC

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2 Polynomial, Power, and Rational Functions

2.1	Linear and Quadratic Functions and Modeling	1220Q
2.2	Power Functions with Modeling	1250Q
2.3	Polynomial Functions of Higher Degree with Modeling	HMC
2.4	Real Zeros of Polynomial Functions	1340Q
2.5	Complex Zeros and the Fundamental Theorem of Algebra	1350Q
2.6	Graphs of Rational Functions	HMC
2.7	Solving Equations in One Variable	1330Q
2.8	Solving Inequalities in One Variable	1380Q

3 Exponential, Logistic, and Logarithmic Functions

3.1	Exponential and Logistic Functions	HMC
3.2	Exponential and Logistic Modeling	1470Q
3.3	Logarithmic Functions and Their Graphs	1360Q
3.4	Properties of Logarithmic Functions	1440Q
3.5	Equation Solving and Modeling	1440Q
3.6	Mathematics of Finance	1470Q

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4 Trigonometric Functions

4.1	Angles and Their Measures	1250Q
4.2	Trigonometric Functions of Acute Angles	1220Q
4.3	Trigonometry Extended: The Circular Functions	1380Q
4.4	Graphs of Sine and Cosine: Sinusoids	1460Q
4.5	Graphs of Tangent, Cotangent, Secant, and Cosecant	1510Q
4.6	Graphs of Composite Trigonometric Functions	1570Q
4.7	Inverse Trigonometric Functions	1570Q
4.8	Solving Problems with Trigonometry	1220Q

5 Analytic Trigonometry

5.1	Fundamental Identities	1560Q
5.2	Proving Trigonometric Identities	1560Q
5.3	Sum and Difference Identities	1450Q
5.4	Multiple-Angle Identities	1450Q
5.5	The Law of Sines	1300Q
5.6	The Law of Cosines	1300Q

6 Applications of Trigonometry

6.1	Vectors in the Plane	1450Q
6.2	Dot Product of Vectors	1490Q
6.3	Parametric Equations and Motion	HMC
6.4	Polar Coordinates	1400Q
6.5	Graphs of Polar Equations	1540Q
6.6	De Moivre's Theorem and nth Roots	1210Q

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7 Systems and Matrices

7.1 Solving Systems of Two Equations	1220Q
7.2 Matrix Algebra	1220Q
7.3 Multivariate Linear Systems and Row Operations	1100Q
7.4 Partial Fractions	1300Q
7.5 Systems of Inequalities in Two Variables	1300Q

8 Analytic Geometry in Two and Three Dimensions

8.1 Conic Sections and Parabolas	1350Q
8.2 Ellipses	1400Q
8.3 Hyperbolas	1400Q
8.4 Translation and Rotation of Axes	HMC
8.5 Polar Equations of Conics	1440Q
8.6 Three-Dimensional Cartesian Coordinate System	HMC

9 Discrete Mathematics

9.1 Basic Combinatorics	840Q
9.2 The Binomial Theorem	1290Q
9.3 Probability	920Q
9.4 Sequences	HMC
9.5 Series	1250Q
9.6 Mathematical Induction	NMQ
9.7 Statistics and Data (Graphical)	790Q
9.8 Statistics and Data (Graphical)	HMC

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10 An Introduction to Calculus: Limits, Derivatives,

10.1	Limits and Motion: The Tangent Problem	HMC
10.2	Limits and Motion: The Area Problem	NMQ
10.3	More on Limits	HMC
10.4	Numerical Derivatives and Integrals	NMQ