

## MULTI-MEDIA MATERIALS FOR GRE

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for this exam. Bring your ID card to the Learning Center and ask for the lesson by the call number below. If there is more than one number listed, there are several alternatives for the lesson. You may pick and choose which works best for you. In addition, there is additional information about the exam available on the following GRE DVDs.

OVERVIEW OF GRE, COMPUTER-BASED, AND TEST-TAKING STRATEGIES; ANALYTICAL WRITING, THE ISSUE TASK, THE ARGUMENT TASK – GRE-1

ARGUMENT TASK CONT, ANALYTIC WRITING QUICK TIPS, VERBAL REASONING, – GRE-2

READING COMPREHENSION, TEXT COMPLETION AND SENTENCE EQUIVALENCE QUESTIONS – GRE-3

ARITHMETIC – GRE-4

ALGEBRA – GRE-5

GEOMETRY – GRE-6

GRAPHS AND CHARTS – GRE-7

QUANTITATIVE COMPARISON QUESTIONS – GRE-7/8

TOPIC	GRE DVDs (CODE GRE)	CDs/DVDs	PLATO Available Under:
Addition and subtraction of whole numbers and fractions	4	S3, X1, Y1, Y3	Fractions: Operations
Multiplication and division of whole numbers and fractions	4	S3, X1, Y1, Y3	Fractions: Operations
Operations on decimals	4	Y4	Decimals: Operations
Conversions of fractions to decimals and vice versa	4	Y4	Decimal Concepts: Place Value, Ordering, Rounding
Solving problems with averages	4	Y10	
Using Venn Diagrams to solve problems	4	B3-4	
Operations on integers	4	S1, X1, Y2	The Integers: Concepts and Operations
Using the standard order of operations	4	A3, S1, X1, Y2	The Integers: Concepts and Operations
Using divisibility rules to find factors	4	Y3	Factors and Multiples
Finding a common factor and a common multiple	4	Y3	Factors and Multiples
Evaluation of algebraic expressions	5	S1, X2, Y5	The Integers: Concepts and Operations
Solving equations	5	S2, X2, Y6	Linear and Literal Equations and Formulas
Solving literal equations	5	S2	Linear and Literal Equations and Formulas
Solving inequalities	5	X4	Linear Inequalities: Solving and Graphing
Solving work problems	5	S2	
Solving mixture problems	5	X3, Y8	
Finding rates and solving proportions	5	X3, Y8	Rates, Ratio and Proportion
Applications of the percent equation	4	X3, Y8	Percents
Using the percent formula	4	X3, Y8	Percents
Finding percent increase or decrease	4	X3, Y8	Percents
Translating English sentences to algebraic expressions	5	X2, Y6	Linear and Literal Equations and Formulas
Operations with exponential expressions	5	S1, X5	The Integers: Concepts and Operations
Operations on negative exponents	5	A8, S1, X5	Rationals and Radicals: Exponents and Equations
Multiplication of polynomials	5	S1, S2, X1, Y5	Monomial Concepts and Operations &
Factoring polynomials	5	S2, S3, X6	Factoring Polynomials
Solving quadratic equations by factoring	6	S3, X7	Quadratic Equations: Solving
Solving systems of equations	6	A5, AT3, G-7, S4, W-2, X7, X8	
Working with arithmetic and geometric sequences	6	G-8, J22, J23	Patterns and Sequences
Solving permutations and combinations	6	J25, L4	Probability: Introductory
Finding outcomes	6	G-9, J25, SB16	Probability: Introductory
Finding simple probability	6	G-9, Y10	Probability: Introductory
Solving multiple-event probabilities	6	L3, L5, SB15	Probability: Introductory
Applying triangle properties	6	Z3	Geometric Concepts: Introductory- Line, Line Segment, etc.
Finding the angles of a regular polygon	6	Z6	Geometric Concepts: Introductory- Line, Line Segment, etc.
Finding the length of an arc and area of a sector	6	Z7	Area, Perimeter and Circumference
Finding the volume of solid	6	Z7	Volume: Rectangular Prisms, Cones, Pyramids, Cylinders, and Spheres
Finding the surface area of solid	6	Z7	Surface Area and Nets
Using the Pythagorean Theorem	6	S4, Z5	
Finding the volume of a cylinder and sphere	6	Z7	Volume: Rectangular Prisms, Cones, Pyramids, Cylinders, and Spheres
Angles formed by intersecting lines	6	Z2	Geometric Proofs
Area of a triangle	6	Z6	Area, Perimeter and Circumference
Similar triangles	6	Z4	Similarity, Proofs and Constructions
Right triangles	6	Z5	Geometric Concepts: Introductory- Line, Line Segment, etc.
Area of polygons	6	Z6	Area, Perimeter and Circumference
Circumference and perimeter	6	Z7	Area, Perimeter and Circumference
Area of a circle	6	Z7	Area, Perimeter and Circumference
Reading and graphing linear equations	6	A4, G-1, S4, X5, Y7, Z7, Z8	Graphing Linear Equations
Finding x and y-intercepts	6	X5, Z7, Z8	Graphing Linear Equations
Finding slope	6	A4, A7, X5, Z7, Z8	Graphing Linear Equations
Distance between two points	6	A4	Graphing Linear Equations
Determining functions	6	X10	Functions: Notation, Domain, Range, Properties, etc.
Graphing functions	6	G-1, K1, X10	Functions: Translating, Combining, Graphing, Inverse
Operations on radicals	6	S3, S4, X8	Roots
Simplifying radicals	6	S3, S4, X8	Roots
Finding the mode and range	6	Y10	Statistics: Introductory- Measures of Center and Spread
Working with statistical graphs	6	H8, I1, I3, SB3, Y10	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Finding the mean, median and standard deviation	6	H8, I1, Y10	Statistics: Inference, Data Analysis and Normal Distributions