

## MULTIMEDIA MATERIALS FOR MATH 102

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics in MATH 102. 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. Situational DVDs relate concepts to real-life situations. Tutorial DVDs present computations related to concepts.

	<b>SITUATIONAL</b>	<b>TUTORIAL</b>	<b>PLATO</b>
<b>TOPICS</b>	<b>DVDs</b>	<b>DVDs</b>	<b>Available Under:</b>
Adding, Subtracting, Multiplying and Dividing Rational Numbers		I1	Rational Number Concepts and Operations
Order of Operations		I4 (Unit 15), I5 (Unit 19), M2	Integers: Concepts and Operations
To Translate English into an Equation and Simplify		I4 (Unit 17)	Verbal Problems
Linear Equations and Inequalities		A4, W1, Z7, Z8, D6, X5, Y7, S4, V3	Linear Equations and Inequalities
Scientific Notation		M1, E1(3B)	Scientific Notation
Decimals: Rounding, Writing in Standard Form, in Words, as Fractions		II, M1	Decimals: Place Value, Ordering, Rounding
Find the Amount, Percent, and Base; Solving Applications		II, M1	Percents
Compound Interest	H18	E1(4B)	Interest and Credit
Applications: Investment, Uniform Motion, Mixture		I5, M2	Verbal Problems
Budgets		E1(4A)	Wages, Income Tax, and Money Management
Annual Percentage Yield		E1(4B)	Interest and Credit
Savings Plans and Investments		E1(4C)	Wages, Income Tax, and Money Management
Loan Payments and Mortgages		E1(4D)	Large Purchases: Cars, Homes, Mortgage, Insurance
Data Sampling	SB11, SB14	E1(5A)	Statistics: Introductory- Measures of Center and Spread
Organizing Qualitative Data	H8	M1, E1(5C)	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Organizing Quantitative Data I and II	H8, SB2	I2, M1, E1(5C)	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Measures of Central Tendency	H8, H9, SB4	II, M1	Statistics: Introductory- Measures of Center and Spread
Measures of Dispersion		II, I3, M1, M3	Statistics: Introductory- Measures of Center and Spread
Measures of Position	SB2	I3 (Unit 12), M1, M3	Statistics: Introductory- Measures of Center and Spread
Scatter Diagrams; Correlation	SB9	I3 (Unit 12), E1(5D), M3	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Read and Interpret Circle, Bar, and other Graphs	H8, SB2	I5 (Unit 19), M1, E1(5D)	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Abuses of Statistics & Bias	H7	I2 (Unit 7 & 8), M1, E1(5A), E1(5B)	Statistics: Introductory- Measures of Center and Spread
Statistical Studies	H6	E1(5A)	Statistics: Introductory- Measures of Center and Spread
Probability of Simple Events	H9, SB15	J26, L4, E1(7A)	Probability: Introductory
The Addition Rule; Complements; The Multiplication Rule; Conditional Probability and Independence	SB15, BS16	L1, L4, E1(7B)	Probability: Introductory
Counting Techniques	SB16	L3, L5, E1(7E)	Probability: Introductory
Probability Distributions	H9	L4, J25, E1(7A)	Statistics: Inference, Data Analysis, and Normal Distribution
Permutations and Combinations		I2 (Unit 8), M2, E1(7E)	Probability: Introductory
Assessing Risk		E1(7D)	
Expected Value		L5, E1(7C)	Statistics: Random Variables, Expected Values, Counting Rules
Odds		AL13, E1(7A)	Statistics: Random Variables, Expected Values, Counting Rules
Intro to Logarithms		M3, E1(8B)	Tutorials on Functions: Exponential and Logarithmic
Linear vs. Exponential Growth		O4, E1(8A)	Tutorials on Functions: Exponential and Logarithmic
Half-life and Doubling Time		E1(8B)	
Logarithmic Scales		J19, E1(8D)	
Real Population Growth		E1(8C)	
Voting Systems with More than 3 Candidates	H13	E1(12A)	
Theory of Voting	H12	E1(12B)	