



ALLEN ACADEMY

Finite Mathematics		
First Trimester Topics:	Second Trimester Topics:	Third Trimester Topics:
<p>Chapter 1 - Straight Lines and Linear Functions</p> <p>1.1 - The Cartesian Coordinate System</p> <p>1.2 - Straight Lines</p> <p>1.3 - Linear Functions and Mathematical Models</p> <p>1.4 - Intersection of Straight Lines</p>	<p>Chapter 3 - Linear Programming : A Geometric Approach</p> <p>3.1 - Graphing Systems of Linear Inequalities in Two Variables</p> <p>3.2 - Linear Programming Problems</p> <p>3.3 - Graphical Solution of Linear Programming Problems</p>	<p>Chapter 6 - Sets and Counting</p> <p>6.1 - Sets and Set Operations</p> <p>6.2 - The Number of Elements in a Finite Set</p> <p>6.3 - The Multiplication Principle</p> <p>6.4 - Permutations and Combinations</p>
<p>Chapter 2 - Systems of Linear Equations and Matrices</p> <p>2.1 - Systems of Linear Equations : An Introduction</p> <p>2.2 - Systems of Linear Equations : Unique Solutions</p> <p>2.3 - Systems of Linear Equations : Underdetermined and Overdetermined Systems</p> <p>2.4 - Matrices</p> <p>2.5 - Multiplication of Matrices</p> <p>2.6 - The Inverse of a Square Matrix</p>	<p>Chapter 5 - Mathematics of Finance</p> <p>5.1 - Compound Interest</p> <p>5.2 - Annuities</p>	<p>Chapter 7 - Probability</p> <p>7.1 - Experiments, Sample Spaces, and Events</p> <p>7.2 - Definition of Probability</p> <p>7.3 - Rules of Probability</p>
Instructional Resources:		
<ul style="list-style-type: none">Textbook: <i>Finite Mathematics; For the Managerial, Life, and Social Sciences; 1st Edition</i> by Soo T. Tan		