

Calculator: A graphing calculator is required. The TI-84 is highly recommended.

| Lesson | | Sect. | Topic | Page |
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| 1 | Number Theory and the Real Number System | 5.1 | Prime & composite numbers | P. 262; 25-37 Odds |
| 2 | | 5.2 | The integers; Order of operations | P.275;7,13, 15, 27, 29, 39, 45, 49, 59, 61. 65, 69,75,79,83,89,91,93,99,107,109,117,119, 123 |
| 3 | | 5.3, 5.4 | Rational and irrational numbers | P.290; 7,9,13,17,29,35,43,47,51,55,69,79,91,97,115,121 P.301;9,11,17,25,35, 47,57,67 |
| 4 | | 5.5 | Real numbers and their properties; Clock Addition | P.312;7,9,11,13,15,17,19,21,25,27, 47,49,51,53,55,57 |
| 5 | | 5.6 | Exponents and Scientific Notation | P.324; 1-29 Odds, 35,37,39,41,43,45,47,49,51,53,59,63,67,71,73,79,81,85 ,87,91, 93,97,101 |
| 6 | | 5.7 | Arithmetic and Geometric Sequences | P.333; 3,7,11,15,19,23,27,31,37,41,47,51,59,71,75,81 |
| 7 | Algebra: Equations and Inequalities | 6.1 | Algebraic Expressions and Formulas | P.351; 1-25 Odds, 35,37,39,43-61 Odds, 69,71 |
| 8 | | 6.2 | Linear equations in One variable &Proportions | P.366; 1,3,5,7,11,17,19,21,27,31,35,39,43,47,51,57,63,69,71,73,79,81,85,87,91,92 |
| 9 | | 6.3 | Applications of Linear Equations | P.377; 1-15 Odds, 21, 25, 31, 45, 51,52 |
| 10 | | 6.4 | Linear Inequalities in One Variable | P.388; 3, 7, 9, 25, 41, 53, 55, 57, 63, 65 |

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| 11 | | 6.5 | Quadratic Equations | P.404; 3, 5, 9, 11, 21, 25, 33, 35, 37, 41, 43, 47, 51, 53, 55, 67, 69 |
| 12 | Review Exam 1 | | | P.407-411 |
| 13 | EXAM 1 | | | |
| 14 | Algebra: Graphs, Functions, and Linear Systems | 7.1 | Graphing and Functions | P.424; 1, 5, 9, 13, 17, 21, 27, 35, 39, 43, 49, 51, 55, 57 |
| 15 | | 7.2 | Linear Functions and Their Graphs | P.437; 1, 3, 5, 7, 11, 15, 19, 21, 25, 29, 31, 33, 37, 39, 43, 47 |
| 16 | | 7.3 | Systems of Linear Equations in Two Variables | P.451; 1, 3, 5, 9, 13, 17, 27, 31, 33, 39, 43 |
| 17 | | 7.4 | Linear Inequalities in Two Variables | P.462; 5, 7, 9, 13, 15, 19, 23, 27 |
| 18 | | 7.5 | Linear Programming | P.469; 1, 3, 5, 7, 13, 15, 17 |
| 19 | Personal Finance | 8.1 | Percent, Sales Tax, and Discounts | P.505; 1, 3, 5, 11, 13, 15, 21, 25, 29, 31, 35, 37, 39, 41, 47, 49, 51 |
| 20 | | 8.2 | Income Tax | P.516; 1, 3, 5, 7, 9, 11, 13, 17 |
| 21 | | 8.3 | Simple Interest | P.523; 1-19 Odds 23, 25 |
| 22 | | 8.4 | Compound Interest | P.532; 13-25 Odds, 29, 33 |
| 23 | | 8.6 | Cars | P.563; 1, 5, 7, 11, 13, 15 (Neither in Math 020, nor 102) |
| 24 | | 8.7 | The Cost of Home Ownership | P.574; 1-11 Odds |
| 25 | Review Exam 2 | | | P.569-574 |
| 26 | EXAM 2 | | | |
| 27 | Measurement | 9.1 | Measuring Length; The Metric System | P.604; 1-15 Odds, 17, 21, 25, 29, 35, 41, 45, 47 |
| 28 | | 9.2 | Measuring Area and Volume | P.613; 1, 3, 5, 11, 13, 15, 19, 25, 31, 33, 35, 49,51 |

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| 29 | | 9.3 | Measuring Weight and Temperature | P.623 ; 1,, 3, 7, 11, 19, 27, 33, 37, 41, 47 |
| 30 | Geometry | 10.1 | Points, Lines, and Angles | P.637 ; 1, 3, 5, 9, 11, 13, 15, 19 |
| 31 | | 10.2 | Triangles | P.648 ; 1, 3, 5, 7, 11, 15, 21, 25 |
| 32 | | 10.3 | Polygons, Perimeter, and Tessellations | P.657 ; 1, 3, 5, 9, 11, 17, 21, 25, 29, 31, 33, 35, 37 |
| 33 | | 10.4 | Area and Circumference | P.668 ; 1, 3, 5, 7, 11, 15, 19 |
| 34 | | 10.5 | Volume and Surface Area | P.678 ; 1, 5, 9, 13, 17, 21 |
| 35 | | 10.6 | Right-Triangle Geometry | P.687 ; 1, 3, 5, 19, 21, 23, 25 |
| 36 | Review Exam 3 | | Beyond Euclidean Geometry | P.700-707 |
| 37 | EXAM 3 | | | |
| 38-41 | Please choose ONLY one of the three options below for your class! | | | |
| Opt.1 | Counting Methods and Probability | | | |
| 38 | | 11.1, 11.2 | Fundamental Counting Principle; Permutations | P.714 ; 1, 3, 7, 11, 13, 15, 19 P.722 ; 3, 5, 9, 13, 19, 25, 31, 47, 49 |
| 39 | | 11.3, 11.4 | Combinations, Fundamentals of Probability | P.729 ; 5, 11, 13, 15, 17, 37, 41 P.737 ; 7, 9, 11, 15, 19, 23, 25, 27, 31 |
| 40 | | 11.5 | Probability with the fundamental counting principle | P.745 ; 3, 5, 9, 11, 15, 17 |
| 41 | | 11.6, 11.7 | Events, odds, and conditional probability | P.757 ; 11, 13, 15, 19, 21, 25, 27, 31, 35, 37 P.769 ; 1-9 Odds, 13, 15, 19, 23, 27, 31, 33, 49, 53 |

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| Opt.2 | Statistics | | | |
| 38 | | 12.1 | Sampling, Frequency Distributions, and Graphs | P.798; 1, 3, 5, 7, 17, 25 |
| 39 | | 12.2 | Measures of Central Tendency | P.813; 1, 3, 7, 13, 15, 25, 29, 37, 41, 43 |
| 40 | | 12.3 | Measures of Dispersion | P.822; 3, 5, 7, 11, 19, 25, 27 |
| 41 | | 12.4, 12.5 | The Normal Distribution | P.835; 3, 5, 9, 11, 15, 19, 27, 39, 51 P.842; 3, 7, 11, 13 |
| Opt.3 | Voting and Apportionment | | | |
| 38 | | 13.1 | Voting Methods | P.873; 1, 3, 7, 9, 11 |
| 39 | | 13.2 | Flaws of Voting Methods | P.8884; 1, 3, 5, 7, 11, 15 |
| 40 | | 13.3 | Apportionment Methods | P.898; 1, 5, 9, 11, 15 |
| 41 | | 13.4 | Flaws of Apportionment Methods | P.908; 1, 3, 5, 9, 11 |
| 42 | Review Final | | | |
| 43 | Final | | | |