

| Section   | Comments   | Suggested questions include                              |
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| 1.1 Real numbers                                    | This should be a short review  | 29-32, 35-38, 47-66, 73-75                               |
| 1.2 Exponents and radicals                          | Skip scientific notation.  | 12,13,17,19,24,31,33,35,39,41,43,45,47,51,55,57,67,69,73 |
| 1.3 Algebraic expressions                           | Students need not memorize factoring difference and sums of cubes.   | 13,19,21,31,34,41,49,51,52,63,65,69,71,75,77,125         |
| 1.4 Rational expressions                            | Sometimes helpful to point out the "Avoiding Common Errors" table.   | 11,12,13,17,19,27,33,35,43,45,49,50,57,62,69,73,81       |
| 1.5 Equations                                       | Students will know this material but can use a fast review.  | 21,28,33,43,45,53,55,67,77,85,87,89,97,113               |
| 1.7 Modeling  | Examples 3,4,5 only  | 35,37,41   |
| 1.8 Inequalities                                    | Caution students that an inequality cannot be multiplied by an expression whose sign is unknown.   | 21,33,39,43,56,67,81,95,96                               |
| 1.9 Coordinate Plane, Circles                       | Omit symmetry  | 1,2,3,11,12,22,35,44,66,67,83,85,93,97,99,103            |
| 1.10 Lines  | Examples 1-9 only.   | 9,19,23,25,29,35,37,43,47,61,64,63,67                    |
| 2.1 What is a Function                              | Students should know the table of basic functions and their graphs on p. 166 (OMIT the greatest integer function). Students should be introduced to piecewise functions. | 19-30,35-38,43-50,52-77.                                 |
| 2.2 Graphs of functions (omit graphing calculators) |  | 3,4,9,15,17,19,41, 45,49,51,57,61;                       |
| 2.3 Getting Information from a Graph                | Omit Solving Graphically, omit graphing calculators. Examples 1,2,5, and 8 only  | 7-10,31-34,43-46   |
| 2.4 Average rate of change                          | Introduce Secant Line  | 5,6,7,15,19,25,27,31                                     |
| 2.6 Transformations                                 | Omit even/odd functions.   | 2,3,4,15,23-28,47,48,61,67,69,71                         |
| 2.7 Combining functions                             | Omit Sums, Differences, Products, quotients, and Applications. Cover Examples 3 and 4 ONLY.  | 27-58  |
| 2.8 1-1 Functions and Inverses                      | Omit Applications  | 2,4,7-70   |
| 3.1 Quadratic functions and models                  | Omit Modeling  | 3,5,15,27,37   |
| 3.2 Polynomials and Their Graphs                    | Explain that graphing by plotting zeros doesn't produce an accurate picture: one needs to first locate maxima and minima. Wait for Calculus !                            | 1-4,9-14,29,31,51-54                                     |
| 3.6 Rational Functions                              | Omit Transformations of $1/x$ , Slant Asymptotes and Applications.   | 1-8,9,17,29,30,35,45,53,55                               |
| 4.1 Exponential Functions.                          | Examples 1-5 from sec 4.1 only. Mention that there is a special base $e = 2.718...$ which, for technical reasons, is useful in calculus (ex. 2 from 4.2).                | 1-3,7,17,21,25,26,27,29                                  |
| 4.3 Log functions                                   | Omit examples 7,8,11   | 1-4,7,9,19,25,59,31,35,37,42,53-58,61,69                 |
| 4.4 Laws of Logs                                    | Omit examples 4,5,6 and Change of Base Formula   | 1-5,9,11,13,37,51  |
| 4.5 Log and exponential equations                   | Omit Examples 12,13,14   | 1-3,7,17,21,37,49,55,59,61,63                            |
| 4.6 Modeling with Exponentials                      | Exponential Growth Rate and Example 3 Only. Omit Doubling Time and Half Life.  | 3,5  |
| 6.1 Angle Measure                                   |  | 5-70   |
| 6.2 Trig of Right Triangles                         | Avoid calculator problems  | 3-8, 23-44, 53-58  |
| 6.3 Trig Functions of Angles                        |  | 5-54   |
| 5.3 Trig graphs                                     | Examples 1-5 only. Use Radians. Omit Graphing Devices.   | 1-5,7,11,23,25,35,37,43,47,49,51                         |
| 5.5 Inverse trig functions                          | Examples 1, 3, 4, 5, 6 only. Cover only arctan, arcsin, arccos. Emphasize the inconsistency of notation.   | 1,2,3,5,7,24,31,33,35,37,39,47                           |
| 7.1 Elementary trig identities                      | Reciprocal, Pythagorean, Even Odd identities only! Students need to know multiple forms for identities:  | 1,2,3,5,7,9,10,11,13,17,23,31,39,43,65,77,89             |
| 7.2 Addition and Subtraction formulas               | Examples 1-4 only. Formula for tangent of a sum is optional.   | 1,2,3,9,15,25,26,43,47                                   |
| 7.3 Double and half angle formulas                  | Examples 1,4,5,6 only. Tangent formulas optional.  | 1,2,3,5,17,19,27,37,43,47,51                             |
| 7.4 Basic Trig equations                            | Examples 1,2,5,6 only.   | 5,7,8,13,17,21,23,27,33,53                               |