| SUGGESTED HOMEWORK SYLLABUS FOR MATH 56 |  |  |
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| Section | Topic | Assignments |
| R. 4 | Exponents and Scientific Notation | $\begin{aligned} & \text { Pg. 46: \#2, } 3,10,17,19,25,34,49,51,62,68 \text {, } \\ & 74,75 \end{aligned}$ |
| R. 5 | Polynomials, Sums Differences and Products | $\begin{aligned} & \text { Pg. 58: \#7, } 9,14,22,26,28,43,47,63,73,77 \text {, } \\ & 85,94 \end{aligned}$ |
| R. 6 | Factoring | Pg. 67: \#5, 11, 15, 19, 25, 29, 34, 61, 63, 73 |
| R. 7 | Special Factoring | Pg. 77: \# 3, 9, 15, 19, 29, 32, 35, 37, 43, 61, 81 |
| 1.1 | Linear and Quadratic Equations | Pg. 110: \#3, 8, 16, 21, 23, 33, 37, 58 |
| 1.2 | Formulas | Pg. 122: \#7, 20, 23, 27, 29, 33, 41, 47 |
| 1.3 | Applications | Pg. 137: \#2, 5, 9, 17, 46, 53 |
| 1.4 | Linear Inequalities | Pg. 151: \#8, 16, 19, 31, 38, 42, 47, 53, 57, 68 |
| 1.5 | Absolute Value Equations | Pg. 157: \#1, 8, 11, 13, 29, 41 |
| 1.6 | Absolute Value Inequalities | Pg. 164: \#2, 13, 17, 21, 38, 52, 54 |
| 2.1 | Paired Data and the Rectangular Co-ordinate System | Pg. 188: \#6, 12, 16, 24, 30, 35, 50 |
| 2.2 | Slope of a Line | Pg. 198: \#2, 4, 11, 18, 22, 36, 37 |
| 2.3 | Equation of a Line | Pg. 210: \#2, 8, 12, 15, 18, 21, 30, 33, 46, 48, 53 |
| 3.1 | Systems of Linear Equations in Two variables | Pg. 286: \#2, 11, 14, 19, 26, 30, 31 |
| 3.5 | Applications of systems of linear equations | Pg. 323: \#2, 4, 8, 10, 15, 25, 30 |
| 4.1 | Rational expressions, basic properties and simplifying | Pg. 355: \#4, 7, 10, 12, 14, 15, 21, 29, 45, 48, 49 |
| 4.2 | Polynomial Division | Pg. 369: \#6, 12, 16, 22, 32, 36, 38, 41, |
| 4.3 | Multiplication and Division of Rational Expressions | Pg. 377: \#7, 10, 16, 18, 24, 27, 30, 32, 33, 35 |
| 4.4 | Addition and Subtraction of Rational Expressions | Pg. 386: \#10, 16, 18, 29, 39, 46, 47, 61 |
| 4.5 | Complex Fractions | Pg. 392: \#2, 4, 5, 10, 16, 17, 20, 23, 28, 31 |
| 4.6 | Rational Equations | Pg. 402: \#4, 10, 13, 21, 25, 35, 36, 40 |
| 4.7 | Applications of Rational Equations | Pg. 413: \#2, 5, 11, 12, 13, 14, 23 |
| 5.1 | Rational Exponents | $\begin{aligned} & \text { Pg. } 435: \# 6,7,8,11,18,23,26,27,31,34,40 \text {, } \\ & 43,46,48,50,60,66,68,70,75 \end{aligned}$ |
| 5.2 | Rational Exponents Part 2 | Pg. 443: \#2, 8, 10, 17, 20, 30, 42, 45 |
| 5.3 | Simplifying Radicals | $\begin{aligned} & \text { Pg. } 453: \# 1,4,7,9,13,14,21,23,29,31,42 \text {, } \\ & 47,51,53,57,63,75 \end{aligned}$ |
| 5.4 | Addition and Subtraction of Radical Expressions | Pg. 459: \#3, 6, 10, 11, 16, 18, 20, 22, 23 |
| 5.5 | Multiplication and Division of Radical Expressions | $\begin{aligned} & \text { Pg. } 466: \# 2,3,11,13,17,22,24,31,39,40,53, \\ & 58,60 \end{aligned}$ |
| 5.6 | Equations with Radials | Pg. 475: \#2, 8, 11, 16, 21, 24, 29, 32, 40, 45 |
| 5.7 | Complex Numbers | Pg. 484: \#2, 4, 7, 11, 13, 26, 31, 42, 46, 54, 55, |


|  |  | $60,67,71,75,78$ |
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| 6.1 | Completing the Square | Pg. 502: \#2, 8, 11, 16, 38, 41, 45, 53 |
| 6.2 | The Quadratic Formula | Pg. 514: \#3, 4, 10, 13, 24, 28, 32, 37 |
| 7.1 | Exponential Functions | Pg. 573: \#4, 5, 8, 13, 14, 18, 23, 44 |
| $7.2^{*}$ | The Inverse of a Function | Pg. 584: \#2, 7, 11, 19, 28, 35 |
| 7.3 | Logarithms are Exponents | Pg. 594: \#4, 6, 7, 12, 14, 16, 23, 27, 32, 33, 38, <br> $42,62,68,73,76,79$ |
| 7.4 | Properties of Logarithms | Pg. 600: \#2, 4, 5, 7, 13, 18, 23, 25, 28, 32, 33, <br> 37, 44, 48, 50, 58 |
| 10.1 | Degrees, Radians and Special <br> Triangles | Pg. 723: \#2, 4, 11, 13, 18, 23, 28, 31, 43, 44, 47, <br> $48,54,55,59$ |
| 10.2 | Trigonometric Functions | Pg. 730: \#2, 3, 9, 10, 11, 15, 19, 21, 24, 27, 29, <br> 32 |
| 10.3 | Trigonometric Functions and <br> Calculators | Pg. 742: \#1, 3, 8, 10, 11, 41, 44, 45, 47, 50, 51, <br> 56 |
| 11.1 | Introduction to Trigonometric <br> Identities | Pg. 802: \#2, 4, 7, 11, 15, 18, 20, 23, 27 |
| 12.1 | Right Triangle Trigonometry | Pg. 847: \#3, 6, 8, 9, 15, 18, 22, 35, 36, 40 |
| 12.2 | Law of Sines | Pg. 855: \#2, 4, 6, 10, 11, 19, 23 |
| 12.4 | Law of Cosines | Pg. 866: \#2, 8, 9, 10, 13, 23 |

*Optional

