|  |  |  |
| --- | --- | --- |
| SUGGESTED HOMEWORK SYLLABUS FOR MATH 56 | | |
| Section | Topic | Assignments |
| R.4 | Exponents and Scientific Notation | Pg. 46: #2, 3, 10, 17, 19, 25, 34, 49, 51, 62, 68, 74, 75 |
| R.5 | Polynomials, Sums Differences and Products | Pg. 58: #7, 9, 14, 22, 26, 28, 43, 47, 63, 73, 77, 85, 94 |
| 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 | Pg. 435: #6, 7, 8, 11, 18, 23, 26, 27, 31, 34, 40, 43, 46, 48, 50, 60, 66, 68, 70, 75 |
| 5.2 | Rational Exponents Part 2 | Pg. 443: #2, 8, 10, 17, 20, 30, 42, 45 |
| 5.3 | Simplifying Radicals | Pg. 453: #1, 4, 7, 9, 13, 14, 21, 23, 29, 31, 42, 47, 51, 53, 57, 63, 75 |
| 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 | Pg. 466: #2, 3, 11, 13, 17, 22, 24, 31, 39, 40, 53, 58, 60 |
| 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 |
| 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, 42, 62, 68, 73, 76, 79 |
| 7.4 | Properties of Logarithms | Pg. 600: #2, 4, 5, 7, 13, 18, 23, 25, 28, 32, 33, 37, 44, 48, 50, 58 |
| 10.1 | Degrees, Radians and Special Triangles | Pg. 723: #2, 4, 11, 13, 18, 23, 28, 31, 43, 44, 47, 48, 54, 55, 59 |
| 10.2 | Trigonometric Functions | Pg. 730: #2, 3, 9, 10, 11, 15, 19, 21, 24, 27, 29, 32 |
| 10.3 | Trigonometric Functions and Calculators | Pg. 742: #1, 3, 8, 10, 11, 41, 44, 45, 47, 50, 51, 56 |
| 11.1 | Introduction to Trigonometric 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