

MAT 002 Assignments

Nassau Community College - Prof. Huntington

Textbook: *Introductory Algebra* by Martin-Gay, **4th Edition (Newest Edition)**

#	Section	Assignment
1	1.8 – Simplifying Expressions	<i>p. 79, # 5-15 odd, 27-31 odd, 45-57 odd, 65-73 odd</i>
2	2.1 – The Addition Property of Equality	<i>p. 100, # 1-5 odd, 13-23 odd, 49-57 odd</i>
3	2.2 – The Multiplication Property of Equality	<i>p. 110, # 1-9 odd, 17-23 odd, 33-39 odd, 55-65 odd, 77, 79</i>
4	2.3 – Further Solving Linear Equations	<i>p. 118, # 7, 19-35 odd, 53-61 odd</i>
5	2.4 – An Introduction to Problem Solving	<i>p. 131, # 3, 5, 9, 13, 15, 19, 21, 23, 25, 31</i>
6	2.5 – Formulas and Problem Solving	<i>p. 146, #1-21 odd, 31, 33, 35 odd, 39, 51, 53, 61</i>
7	2.6 – Percent and Mixture Problem Solving <i>(Only objective A: Solving Percent Equations)</i>	<i>p. 158 # 1-9 odd, 27-31 odd, 51*, 53*</i>
8	2.7 – Solving Linear Inequalities	<i>p. 170, # 5-17 odd, 23-31 odd, 51-57 odd, 81, 83</i>
9	3.1 – Exponents	<i>p. 197, # 5-9 odd, 13, 15, 21-29 odd, 35-43 odd, 49, 59-65 odd, 89-95 odd</i>
10	3.2 – Negative Exponents and Scientific Notation	<i>p. 207, # 3-13 odd, 29-43 odd, 73-85 odd, 115, 117, 125</i>
11	3.3 – Introduction to Polynomials	<i>p. 217 # 3-9 odd, 29-37 odd</i>
12	3.4 – Adding and Subtracting Polynomials	<i>p. 225 # 7-23 odd, 29, 45, 67*, 69*</i>
13	3.5 – Multiplying Polynomials	<i>p. 232, # 9-17 odd, 33-51 odd, 71*, 79*</i>
14	3.6 – Special Products	<i>p. 241 # 19-23 odd, 41-45 odd, 51, 81*</i>
15	3.7 – Dividing Polynomials <i>(Only objective A: Divide a polynomial by a monomial)</i>	<i>p. 250 # 1-9 odd, 55*, 61*</i>
16	4.1 – The Greatest Common Factor	<i>p. 274, # 5, 7, 11, 15, 19, 27-41 odd, 49, 101*</i>
17	4.2 – Factoring Trinomials of the Form $x^2 + bx + c$	<i>p. 282, # 3-13 odd, 23, 25, 61, 67</i>
18	4.5 – Factoring Perfect Square Trinomials and the Difference of Two Squares	<i>p. 301, # 13, 15, 33-43 odd, 71</i>
19	4.6 – Solving Quadratic Equations by Factoring <i>(Not objective B: Solving equations with a degree greater than two by factoring.)</i>	<i>p. 312, # 5, 9, 11, 19-29 odd, 75, 79</i>
20	4.7 – Quadratic Equations and Problem Solving (a = 1 only)	<i>p. 320, # 7*, 12, * 13*, 23*, 25*, 31* 35*</i>

21	5.1 – Simplifying Rational Expressions	<i>p. 344, # 7, 11 – 19 odd, 23 – 29 odd, 33, 53, 77</i>
22	5.2 – Multiplying and Dividing Rational Expressions (<i>Not objective D: Converting between units of measure.</i>)	<i>p. 354, # 5-13 odd, 21 – 27 odd, 35, 73</i>
23	5.3 – Adding and Subtracting Rational Expressions with the Same Denominator	<i>p. 362, # 1 – 11 odd, 15-21 odd</i>
24	5.4 – Adding and Subtracting Rational Expression with Different Denominators	<i>p. 370, # 1 – 9 odd, 31, 33, 35, 61 – 67 odd, 87*</i>
25	5.6 – Proportion and Problem Solving (and 5.7 – Simplifying Complex Fractions)	<i>p. 391, #7 – 17 odd, 37* (p. 403 #17, 19, 21)</i>
26	6.1 – Reading Graphs and the Rectangular Coordinate System (<i>Not objective C: Creating scatter diagrams.</i>)	<i>p. 430, # 7-15 odd, 19-27 odd, 37-45 odd, 53-57* odd</i>
27	6.2 – Graphing Linear Equations	<i>p. 444, # 3, 7, 13-21 odd, 31, 35, 43, 45</i>
28	6.3 – Intercepts	<i>p. 454, #1-7 odd, 13, 15, 29, 41, 65*</i>
29	6.4 – Slope and Rate of Change	<i>p. 469, # 1-11 odd, 17-21 odd, 37-43 odd</i>
30	6.5 – Equations of Lines	<i>p. 482, # 1, 3, 11-17 odd, 25, 27, 31, 33, 75</i>
31	7.2 Solving Systems of Linear Equations by Substitution	<i>(p. 547 # 11 – solve by graphing) p. 557, # 5, 9, 13, 17, 33</i>
32	7.3 – Solving Systems of Linear Equations by Addition	<i>p. 564, # 1 – 7 odd, 13, 15</i>
33	8.1 – Introduction to Radicals (<i>Not objective C: Find n^{th} root.</i>)	<i>p. 597 # 1-11 odd, 21-25 odd, 45-59 odd</i>
34	8.2 – Simplifying Radicals	<i>p. 605 # 11, 13, 29-43 odd, 61, 63, 81, 91*</i>
35	8.3 – Adding and Subtracting Radicals	<i>p. 611, #1, 3, 11-15 odd, 29, 31, 43-47 odd, 57</i>
36	8.4 – Multiplying and Dividing Radicals (<i>Only objectives A and B: Multiplying and dividing radicals.</i>)	<i>p. 619, # 7-11 odd, 21-29 odd, 35-41 odd, 89*, 91</i>
37	8.6 – Radical Equations and Problem Solving (<i>Only objective A: Using the Pythagorean Theorem.</i>)	<i>p. 633, # 1, 3, 9, 11, 15, 17*, 19*, 37*</i>
38	9.3 – Solving Quadratic Equations by the Quadratic Formula	<i>p. 667, # 3 – 9 odd, 15, 45</i>

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