

BRONX COMMUNITY COLLEGE
Of the City University of New York

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

SYLLABUS: MTH 03 - Selected Topics in Elementary Algebra
0 credits, meets 4 hours per week

Prerequisite: MTH 01 or equivalent, RDL 01 if required

Corequisite: RDL 02 if required

Textbook: *Developmental Mathematics*, 4th edition by Johnson, Willis, and Hughes

Publisher: Addison Wesley Longman, Inc. (ISBN 0-201-35665-1)

	Section Topics of the Textbook	Suggested Exercises
6.1	Signed Numbers	p. 183/1,5,9,11,15,17,19,23,29
6.2	Adding Signed Numbers	p. 188/5,11,17,29,35,41,51,55
6.3	Subtracting Signed Numbers	p.190/9,15,19,23,33,39,45,47,53,55,59
6.4	Multiplying Signed Numbers	p. 194/3,7,11,21,29,31,33,39,43
6.5	Dividing Signed Numbers	p. 196/1,7,9,13,17,23,27,31,33,35,39
6.6	Properties	p. 199/1,3,5,11,13,17,21,23,29
6.7	Operations with Zero	p. 200/1,3,5,7,9,11,15,17,19,25
6.8	Powers of Signed Numbers	p. 203/3,7,9,11,21,27,29,31,33,35,39,41
6.9	Square Roots of Signed Numbers	p.205/1,3,7,9,11,13,15,17,19,21
7.1	Order of Operations	p. 212/3,7,11,13,21,29,31,33,39,43,45,47
7.2	Grouping Symbols	p. 215/1,3,5,7,11,15,17,19,25,31,33,35,39
7.3	Evaluating Expressions	p. 217/1,3,7,11,21,29,31,33,37,39,45,47
7.4	Evaluating Formulas	p. 219/1,3,5,7,9,11,15,17,19,21,23
8.1	Polynomials - Definitions	p. 225/1,3,5,7,9,11,15,17,19,23
8.2	Positive and Zero Exponents	p. 229/9,15,19,23,31,33,39,53,55,59
8.3	The Distributive Rule	p. 233/3,7,11,21,29,31,33,39,43
8.4	Combining Like Terms	p. 235/1,3,7,11,21,22,29,31,33,37,41,43
8.5	Addition and Subtraction of Polynomials	p. 240/3,7,11,21,29,31,33,39,43,53,55
8.6	Multiplication of Polynomials	p. 243/1,3,7,11,21,29,31,33,37
8.7	Product of Two Binomials	p. 246/3,7,11,21,29,31,33,39,41,43
8.8A	Dividing by a Monomial	p. 247/1,3,5,7,9,11,15,17,19
11.1	Prime Factorizations and GCF	p. 308/1-55 (odd)
11.3	Difference of Squares	p. 312/ all odd
11.4	Factoring Trinomials	p. 315/1-25 (odd)

(OVER)

9.1	Solving Linear Equations - I	p. 260/1-29 (odd),45,49
9.2	Solving Linear Equations - II	p.262/1,3,7,9,13,15,19,21,27,29,37,39
9.3	Solving Linear Equations - III	p.264/1,3,5,7,9,11,13,15,19,23,25
9.4	Solving Linear Equations - IV	p. 266/1,3,5,7,9,11,13,15,21,23,35
12.7	Solving Equations Having Fractions	p. 355/1,3,5,13,19,31
10.1	Algebraic Expressions	p. 279/1-29 (odd); p. 281/1-29 (odd),33,35,37
10.2	Solving Word Problems	p.285/1,3,5,7,9,11,15,17,19,21,23
14.2	Solving Linear Systems by Addition	p. 412/1-11 (odd)
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10.3	Coin Problems	p. 288/9,11,13
13.1	Rectangular Coordinates	p. 370/1-9 (odd)
13.2	Graphing Lines	p. 378/1-29 (odd)
13.3	Slope of a Line	p. 384/1-41 (odd)