

DSPM 0800 ELEMENTARY ALGEBRA CLASS AND HOMEWORK ASSIGNMENTS

REQUIRED TEXT: *Beginning and Intermediate Algebra, 4th Edition*, by Lial, Hornsby, McGinnis ISBN 0-321-507223 with Mymathlab access (stand alone Mymathlab access: : ISBN 032119991X, stand alone textbook ISBN—0-321-44233-4)

REQUIRED: DSPM 0800 Review Packet can be purchased in the NSCC bookstore or by downloading from ww2.nsc.edu/dspm

REQUIRED CALCULATOR: Texas Instruments TI-84 Plus. TI-89 and comparable calculators are not allowed

RECOMMENDED: *Beginning and Intermediate Algebra Student's Solution Manual, 4th Edition*, ISBN 0-321-44954-1, available in the NSCC bookstore

WEEKLY SCHEDULE

WEEKS	LESSON	TOPIC	PAGE	HOMEWORK ASSIGNMENT
Weeks 1 & 2		Syllabus and Student Rules		
	1.1	Fractions	pp. 11-14:	1-6 (all); 7, 9, 11, 17, 19, 21, 25, 29, 33-51 (odd); 55-69 (odd); 71, 73, 77, 79
	1.2	Exponents, Order of Operations, and Inequality	pp. 21-24:	1-4 (all); 5, 9, 13, 17, 19, 23, 29, 31, 33, 39, 43, 47, 49, 53-59 (odd); 67-73 (odd); 83, 85, 89, 93, 95
	1.3	Variables, Expressions, and Equations	pp. 29-30:	1-12 (all); 19-57 (odd); 63-75 (odd); 77, 79
	1.4	Real Numbers & Number Line	pp. 38-40:	5-19 (odd); 23-61 (odd); 65
	1.5	Adding and Subtracting Real Numbers	pp. 48-53:	1-6 (all); 7-63 (odd); 67-101(odd); 111, 113, 119
	1.6	Multiplying and Dividing Real Numbers	pp. 62-65:	1-10 (all); 11-55 (odd); 59, 67, 69, 73, 79, 81, 85, 87; 91-103 (odd); 105, 107, 109, 111
		Summary Exercises on Operations with Real Numbers	p. 66: <i>(Optional)</i>	1-42 (all)
	1.7	Properties of Real Numbers	pp. 74-76:	1-19 (odd); 23, 27, 43, 45, 47, 53, 61-77 (odd)
	1.8	Simplifying Expressions	pp. 80-82:	1-4 (all); 5-41 (odd); 47, 55, 61-77 (odd)

Weeks 3 & 4	Test 1 (Chapter 1)		
	2.1	The Addition Property of Equality	pp. 100-102: 1-4 (all); 7-41 (odd); 47-65 (odd); 69, 71
	2.2	The Multiplication Property of Equality	pp. 106-108: 1-21 (odd); 25-67 (odd); 73, 75
	2.3	More on Solving Linear Equations	pp. 115-117: 1, 5-53 (odd), 63-73 (odd)
		Summary Exercises on Solving Linear Equations (<i>Optional</i>)	p. 117: 1-30 (all)
	2.4	An Introduction to Applications of Linear Equations	pp. 125-131: 1, 2, 5-13 (odd); 14-17 (all); 19, 23-31 (odd); 59
	2.5	Formulas and Applications from Geometry	pp. 137-141: 3, 5, 7, 13-25 (odd); 33-37 (odd); 63-85 (odd)
	2.6	Ratios and Proportions	pp. 146-149: 1-27 (odd); 31-41 (odd); 45-55 (odd); 59-63 (odd)
2.7	Further Applications of Linear Equations: Percent, Interest, and Money	pp. 157-160: 3-6 (all); 25-30 (all)	
Weeks 5 & 6		Further Applications of Linear Equations: Distance, Rate, and Time	pp. 160-162: 35, 36, 37-43 (odd); 45-54 (all)
	2.8	Solving Linear Inequalities	pp. 174-177: 3-15 (odd); 21-49 (odd); 55-65 (all); 67
		Review for Test 2	Worksheet from Course Packet
	Test 2 (Chapters 1-2)		
3.1	Reading Graphs: Linear Equations in Two Variables	pp. 201-205: 1-14 (all); 17-37 (odd); 41-69 (odd); 73	
3.2	Graphing Linear Equations in Two Variables	pp. 214-218: 1-5 (odd); 7-12 (all); 13-29 (odd); 33-55 (odd); 62	
4.1	The Product Rule and Power Rules for Exponents	pp. 261-264: 1-37 (odd); 43-79 (odd)	

	4.2	Integer Exponents and Quotient Rule	pp. 270-271:	1-11 (odd); 15-47 (odd); 57-73 (odd)
Weeks 7 & 8		Summary Exercises on the Rules for Exponents	p. 272: (<i>Optional</i>)	1-41 (odd)
	4.3	An Application of Exponents: Scientific Notation	p. 278:	13-31 (odd)
	4.4	Adding and Subtracting Polynomials	pp. 289-292:	1-55 (odd); 59-69 (odd); 73-77 (odd); 85-87 (odd)
	4.5	Multiplying Polynomials	pp. 297-300:	1-55 (odd); 63-69 (odd)
	4.6	Special Products	pp. 303-306:	1-19 (odd); 25-37 (odd)
	4.7	Dividing Polynomials	pp. 312-314:	1-4 (all); 5-31 (odd)
		Test 3 Review		Worksheet from Course Packet
		Test 3 (Chapters 1- 4)		
	5.1	The Greatest Common Factor: Factoring by Grouping	pp. 334-336:	1-15 (odd); 23-57 (odd); 67-83 (odd)
	5.2	Factoring Trinomials	pp. 340-342:	7-71 (odd)
Weeks 9 & 10	5.3	More on Factoring Trinomials	pp. 347-349:	11-65 (odd); 79-83 (odd); 87, 89
	5.4	Special Factoring Techniques	pp. 356-358:	1, 3, 7-51 (odd); 59-75 (odd)
		Summary Exercises on Factoring (<i>Optional</i>)	p. 359:	1-71 (odd)
	5.5	Solving Quadratic Equations by Factoring	pp. 366-369:	27-65 (odd)
		Final Exam Review		Worksheet from Course Packet
		Final Comprehensive Exam		