

**DSPM 0850 INTERMEDIATE ALGEBRA  
CLASS AND HOMEWORK ASSIGNMENTS**

**REQUIRED TEXT:** *Beginning and Intermediate Algebra*, 4<sup>th</sup> ed., 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 0850 Review Packet (Purchase in NSCC bookstore or download from [ww2.nsc.edu/dspm](http://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*, 4<sup>th</sup> Edition, ISBN 0-321-44954-1, available in the NSCC bookstore

**WEEKLY SCHEDULE**

WEEKS	LESSON	TOPIC	PAGE	HOMEWORK ASSIGNMENT
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<b>Week 1</b>	Syllabus and Student Rules			
	4.2	Summary Exercises on the Rules for Exponents	p. 272:	1-27 (odd); 28, 29, 32
	5.4	Summary Exercises on Factoring	p. 359:	1-9 (odd); 15-31 (odd); 35, 37, 41, 45, 49, 51, 55, 57, 63, 65, 71
	6.1	The Fundamental Property of Rational Expressions	pp. 401-403:	3-53 (odd); 67, 69, 79, 83
	6.2	Multiplying and Dividing Rational Expressions	pp. 408-409:	3-43 (odd)
	6.3	Least Common Denominator	pp. 414-416:	7-21 (odd); 25-37 (odd); 55-65 (odd)
	6.4	Adding and Subtracting Rational Expressions	pp. 422-424:	13-21 (odd); 29-45 (odd); 51, 53, 61, 63
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<b>Week 2</b>		Review for Test 1		Worksheet from Course Packet
		<b>Test 1</b>		
	6.6	Solving Equations with Rational Expressions	pp. 439-442:	1-13 (odd); 17-69 (every other odd); 83-86 (all)
		Summary Exercises on Rational Expressions	p.444:	1-19 (odd)—(Optional)

		and Equations		
	6.7	Applications of Rational Expressions	pp. 449-453:	1-17 (every other odd); 19-27 (odd); 33-37 (all)
	7.1	Review of Graphs and Slopes of Lines	pp. 479-485:	3, 4; 11-27 (odd); 55-59 (odd); 73-93 (every other odd); 97-107 (odd)
	7.2	Review of Equations of Lines	pp. 495-500:	1-39 (odd); 43-59 (odd); 63-69 (odd)
<b>Week 3</b>	7.3	Functions	pp. 512-516:	5-21 (odd); 39-43 (odd); 49-57 (odd); 61, 63, 65
	8.2	Solving Systems of Linear Equations by Substitution	pp. 565-566:	1-19 (odd); 29
	8.3	Solving Systems of Linear Equations by Elimination	p. 572-574:	5-37 (odd)
	8.5	Applications of Systems of Linear Equations	pp. 591-597:	1, 7, 9, 17-33 (all)
		Review for Test 2		Worksheet from Course Packet
		<b>Test 2</b>		
	9.1	Set Operations and Compound Inequalities	pp. 626-627:	1-13 (odd); 17-61 (odd)
	9.3	Linear Inequalities in Two Variables	pp. 644-646:	1-23 (odd); 29-33 (odd); 35-42 (all)
<b>Week 4</b>	10.1	Radical Expressions	pp. 666-667:	1-33 (odd); 39-49 (odd); 65-79 (odd)
	10.2	Rational Exponents	pp. 675-676:	11-29 (odd); 37-47 (odd); 51-81 (odd); 89; 91
	10.3	Simplifying Radical Expressions	pp. 685-686:	1-19 (odd); 23-35 (odd); 39-51 (odd); 61-81 (odd); 105; 107
	10.4	Adding and Subtracting Radical Expressions	p. 692:	5-53 (odd)
	10.5	Multiplying and Dividing Radical Expressions	pp. 700-702:	7-37 (odd); 43-77 (odd); 83-93 (odd); 99-105 (odd)
		Summary Exercises on	p. 703:	1-25 (odd)

10.6	Operations with Radicals (Optional) Solving Equations with Radicals	p. 710:	7-33 (odd); 37-57 (odd)
10.7	Complex Numbers	pp. 717-718:	7-23 (odd); 27-37 (odd); 41-55 (odd); 59-67 (odd)

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**Week 5**

Review for Test 3

Worksheet from Course Packet

**Test 3**

11.1	Solving Quadratic Equations by the Square Root Property	pp. 738-741:	9-45 (odd); 51-59 (odd)
11.3	Solving Quadratic Equations by the Quadratic Formula	pp. 754-756:	5-19 (odd); 29-35 (odd)
	Summary Exercises on Solving Quadratic Equations (Optional)	p. 767:	1-21 (odd)
11.6	Graphs and Quadratic Functions	pp. 783-785:	1-15 (odd); 21-29 (odd)
11.7	More About Parabolas	p. 797:	1-13 (odd)

Review for Final Exam

Worksheet from Course Packet

**Final Comprehensive Exam**