

MDEV 127 - Intermediate Algebra

Text: Intermediate Algebra-Concepts and Graphs, 4th Edition (2001)

McKeague

Read and study the designated section prior to lecture and working the assigned homework.
Begin the assigned homework BEFORE the related lab session which follows each lecture.
Note: EOO means every other odd – for example 1, 5, 9, 13, ... or 3, 7, 11, 15, etc.

<u>Lecture</u>	<u>Sections</u>	<u>Topics</u>
1	<u>R.1</u>	<u>Fundamental Definitions and Notation</u>
	R.1 page 12	Odds 1-9, Every other odd 11, 15...43; Odds 47-85
2	<u>R.2-R.3</u>	<u>Real Number Properties and Arithmetic</u>
	R.2 page 24	Every other odd 1 - 105
	R.3 page 35	EOO 1-57, EOO 65-97, 101 (choose two players)
3	<u>R.4-R.5</u>	<u>Exponents and Polynomials</u>
	R.4 page 46	Every other odd 1 - 61
	R.5 page 58	Every other odd 1, 5, 9...73
4	<u>R.5-R.6</u>	<u>Polynomials, Factoring</u>
	R.5 page 58	77, 81, 85, All odds 89-95, 105
	R.6 page 67	Every other odd 1-41
5	<u>R.6</u>	<u>Factoring</u>
	R.6 page 67	Every other odd 45; 49...81, Odds 83-89, 101
6	<u>R.7</u>	<u>Special Factoring</u>
	R.7 page 77	Every other odd 1-93
		<u>Review for Exam 1</u> EXAM GIVEN IN LAB SESSION
7	<u>1.1</u>	<u>Linear, Quadratic Equations in One Variable</u>
	1.1 page 110	Every other odd 1-77, and odds 79 - 87
8	<u>1.2-1.3</u>	<u>Formulas, Applications</u>
	1.2 page 122	EOO 1-49, odds 51-55, EOO 69-81, 83, Odds 95-101
	1.3 page 137	Every other odd 1-17, 23, EOO 25-41
9	<u>1.3-1.4</u>	<u>Applications, Linear Inequalities in One Variable, Interval Notation</u>
	1.3 page 137	Every other odd 43, 47, 49, 53,55,57, ALL 71-78
	1.4 page 151	EOO 1-69, EOO 71-87, Odds 89-99

- 10 **1.5-1.6 Equations, Inequalities Involving Absolute Value**
 1.5 page 157 Every other odd 1-65; 67, 71; Odds 79-89
 1.6 page 164 Odds 1-15, EOO 17-53, 6, 65, 67, ALL 75-80
- 11 **2.1-2.2 Paired Data, Coordinate System, Slope of a Line**
 2.1 page 188 1, 3; Every other odd 5-49, 51, 55, Odds 59-65
 2.2 page 198 All 1-6, EOO 7-39, 41,44 All 47-52, 61,Odds 63-67

Review for Exam 2
 EXAM GIVEN IN LAB SESSION

- 12 **2.3-2.4 Equation of a Line, Linear Inequalities in Two Variables**
 2.3 page 210 Odds 1-21, 25, 29, 33, Odds 39-47, 51, 53, ALL 61-64
 2.4 page 221 1, 3, 7, 15, 17, 19, 21, 23, 31, 35, 39, 43, 47, 49, 51
- 13 **2.5-2.6 Introduction to Functions and Function Notation**
 2.5 page 230 1, 5, Odds 9-17, 21, 23, 37, 39, 41, Odds 45-53
 2.6 page 242 Odds 1-49, 53, 55, 61, 65, 67, 69, 81, 82, 84

- 14 **2.7 Algebra and Composition of Functions**
 2.7 page 252 Odds 1-7, EOO 9-41, 43, 45

- 15 **4.1-4.2 Simplifying Rational Expressions, Dividing
 Polynomials, Difference Quotients**
 4.1 page 355 Odds 1-9, EOO 11-23, 35, 39, 45, 49,55, 59 ALL 61-64, 73,77, 85
 4.2 page 369 EOO 1-13,19,21,23, EOO 29-61,67a-d,69,Odds 71-77

- 16 **4.3-4.4 Operations with Rational Expressions**
 4.3 page 377 EOO 1-21, 29, 33, 41, 49, 57, 61, 65, ALL 71-74
 4.4 page 386 Every other odd 1-21, Odds 23-45, 53, 57, 61, 63

Review for Exam 3
 EXAM GIVEN IN LAB SESSION

- 17 **4.5-4.6 Complex Fractions, Equations with Rational Expressions**
 4.5 page 389 Every other odd 1-29, 41, 49, 59, 61, 63
 4.6 page 402 1, 9 17, Odds 21-41

- 18 **4.6-4.7 Equations and Applications**
 4.6 page 402 Odds 43-53, Odds 63-73
 4.7 page 413 1, 5, 9, 11, 13, 25, 29, 31; Odds 47-55

- 19 **5.1-5.2 Expressions involving Rational Exponents**
 5.1 page 435 EOO 1-77, 79, 80, 83, Odds 95-101
 5.2 page 443 EOO 1-45, EOO 53-69, Odds 85-91

