

MAT 135P –MATH FOR LIBERAL ARTS PLUS

(Updated 8/13/16)

MATH SKILLS SECTION

MAT 135P EXERCISES FROM THE COURSE TEXTBOOK APPENDIX ALGEBRA REVIEW (AR)

Please use the following table below as a guide.

I.	Just-In-Time Math Skills Support for Voting Theory and Identification Numbers		
	Algebra Review I: Handling Operations		
	Section	Page	Practice Exercises
	C. Operations with Rational Number (Fractions)	AR-3	1 - 8
II.	Just-In-Time Math Skills Support for Finance and Fair Division		
	Algebra Review I: Handling Operations		
	Section	Page	Practice Exercises
	A. Order of Operations	AR-2	1 - 8
	B. Distributive Law	AR-2	1 - 8
	Algebra Review II: Representing Number		
	Section	Page	Practice Exercises
	A. Fractions, Percents, and Percentages	AR-3	1 - 4
	B. Remainders	AR-4	1 - 8
	C. Scientific Notation	AR-5	1 - 6
	Algebra Review IV: Linear and Inequalities		
	Section	Page	Practice Exercises
	A. Linear Equations in One Variable	AR-11	1 - 8
	Algebra Review VI: Exponents, Roots, and Logarithms		
	Section	Page	Practice Exercises
	A. Powers and Roots	AR-23	1 - 5
	B. Natural and Fractional Exponents	AR-23	1, 2
	D. Rules for Exponents and Roots	AR-25	1 – 3, 5, 9
III.	Just-In-Time Math Skills Support for Linear Programming and Statistics		
	Algebra Review IV: Linear and Inequalities		
	Section	Page	Practice Exercises
	B. Plotting Points in the Plane	AR-12	1 - 3

	C. Distance and Midpoint Between Two Points in the Plane	AR-13	1 - 4
	D. Linear Equations in Two Variables	AR-14	1 - 8
	E. Slope of a Line	AR-14	1 - 4
	F. Graphing a Line in Slope-Intercept Form	AR-15	1 - 8
	G. Linear Inequalities in Two Variables	AR-17	1 - 8
	H. Systems of Linear Equations and Inequalities	AR-18	1 - 8

APPLICATION SECTION

MAT 135P EXERCISES FROM THE COURSE TEXTBOOK

Please use the following table below as a guide.

Chapter 4		
Linear Programming and the Transportation Problem		
	Page	Problems
	161 - 163	Skills Check: 1 – 26
	164 - 168	Chapter 4 Exercises: 1 – 61
Chapter 5		
Exploring Data: Distributions		
	Page	Problems
	221 - 223	Skills Check: 1 – 30
	223 - 237	Chapter 5 Exercises: 1 – 60
Chapter 6		
Exploring Data: Relationships		
	Page	Problems
	275 - 277	Skills Check: 1 – 35
	277 - 285	Chapter 6 Exercises: 1 – 27, 35, 39, 44, 45
Chapter 9		
Social Choice: The Impossible Dream		
	Page	Problems
	431 - 432	Skills Check: 1 – 27
	433 - 435	Chapter 9 Exercises: 8, 9, 13 - 17
Chapter 13		
Fair Division		
	Page	Problems
	561- 562	Skills Check: 1 -15
	563 - 566	Chapter 13 Exercises: 1 -13, 15 - 18
Chapter 16		
Identification Numbers		
	Page	Problems
	691 - 692	Skills Check: 1- 24
	693 - 694	Chapter 16 Exercises: 1 – 24, 30 – 35, 63 - 67
Chapter 21		
Savings Models		
	Page	Problems
	897 - 898	Skills Check: 1 – 13, 15, 17, 18, 22, 23, 24
	898 - 902	Chapter 21 Exercises: 1 – 4, 6, 7, 9, 10, 39, 40, 42- 46

Chapter 22	Borrowing Models	
	Page	Problems
	934 - 935	Skills Check: 1 – 30
	935 - 941	Chapter 22 Exercises: 1 – 27, 61