

# MAT 135P –Math for Liberal Arts Plus

(Updated 8/22/22)

## Math Skills Section

### MAT 135P Exercises from The Course Textbook Appendix Algebra Review (AR)

Please use the following table below as a guide.

<b>I. Just-In-Time Math Skills Support for Voting Theory and Identification Numbers</b>			
<b>Algebra Review I: Handling Operations</b>			
	Section	Page	Practice Exercises
	D. Operations with Rational Number (Fractions)	AR-5	1 - 10
<b>II. Just-In-Time Math Skills Support for Finance and Fair Division</b>			
<b>Algebra Review I: Handling Operations</b>			
	Section	Page	Practice Exercises
	A. Order of Operations	AR-2	1 - 10
	B. Distributive Law	AR-3	1 - 10
<b>Algebra Review II: Representing Numbers</b>			
	Section	Page	Practice Exercises
	A. Fractions, Percents, and Percentages	AR-5	1 - 4
	B. Remainders	AR-6	1 - 8
	D. Scientific Notation	AR-7	1 - 6
<b>Algebra Review IV: Linear Equations and Inequalities</b>			
	Section	Page	Practice Exercises
	A. Linear Equations in One Variable	AR-13	1 - 8
<b>Algebra Review VII: Exponents, Roots, and Logarithms</b>			
	Section	Page	Practice Exercises
	A. Powers and Roots	AR-29	1 - 5
	B. Integer and Fractional Exponents	AR-29	1, 2
	D. Rules for Exponents and Roots	AR-31	1 – 3, 5, 9
<b>III. Just-In-Time Math Skills Support for Linear Programming and Statistics</b>			
<b>Algebra Review IV: Linear Equations and Inequalities</b>			
	Section	Page	Practice Exercises
	B. Plotting Points in the Plane	AR-14	1 - 3

C. Distance and Midpoint Between Two Points in the Plane	AR-14	1 - 4
D. Linear Equations in Two Variables	AR-15	1 - 8
E. Slope of a Line	AR-16	1 - 4
F. Graphing a Line in Slope-Intercept Form	AR-17	1 - 8
H. Linear Inequalities in Two Variables	AR-19	1 - 8
I. Systems of Linear Equations and Inequalities	AR-20	1 - 8

## Applications Section

### MAT 135P Exercises from The Course Textbook

Please use the following table below as a guide.

<b>MAT 135P Exercises from The Course Textbook</b>		
<b>Please use the following table below as a guide.</b>		
<b>Chapter 4</b>	<b>Mathematics in Your Daily Life: Linear Programming</b>	
	<b>Page</b>	<b>Problems</b>
	129 - 130	Skills Check: 1 – 30
	130 - 134	Chapter 4 Exercises: 1 – 57
<b>Chapter 5</b>	<b>Exploring Data: Distributions</b>	
	<b>Page</b>	<b>Problems</b>
	177 - 178	Skills Check: 1 – 30
	178 - 186	Chapter 5 Exercises: 1 – 46
<b>Chapter 6</b>	<b>Exploring Data: Relationships</b>	
	<b>Page</b>	<b>Problems</b>
	216 - 218	Skills Check: 1 – 30
	218 - 225	Chapter 6 Exercises: 1 – 25, 29, 30, 41
<b>Chapter 9</b>	<b>Social Choice</b>	
	<b>Page</b>	<b>Problems</b>
	354 - 355	Skills Check: 1 – 30
	355 - 359	Chapter 9 Exercises: 1, 2, 3, 7 – 9, 11, 12, 21, 22, 35
<b>Chapter 12</b>	<b>Fair Division</b>	
	<b>Page</b>	<b>Problems</b>
	446 - 447	Skills Check: 1 - 20
	447 - 450	Chapter 12 Exercises: 1 - 5, 10 - 22

<b>Chapter 18</b>	<b>Money Over Time</b>	
	<b>Page</b>	<b>Problems</b>
	677 - 678	Skills Check: 1 – 24
	678 - 682	Chapter 18 Exercises: 1 – 3, 6 - 10, 13, 26 - 32
<b>Chapter 19</b>	<b>Loan Models</b>	
	<b>Page</b>	<b>Problems</b>
	707 - 708	Skills Check: 1 – 30
	708 - 712	Chapter 19 Exercises: 1 – 50