Math 109: Intermediate Algebra for Statistics
Math 109 Adoption Period: Starting Fall 2019

Lehmann, Jay. *A Pathway to Introductory Statistics*. Pearson Education, 2016.

Chapter/Topic	Sections:		
	Cover	Notes	Don't need to cover
1: Performing Operations and Evaluating Expressions	1.3, 1.6 (percentages only), 1.7		1.6 (multiplying/dividing real numbers)
3: Graphical and Tabular Displays of Data	3.1-3.5	Need to supplement: Cumulative Relative Frequency	3.3 (time series plots)
4: Summarizing Data Numerically	4.1-4.3	Need to supplement: Ogives	
5: Computing Probabilities	5.1-5.3		
6: Describing Associations of Two Variables Graphically	6.1-6.3		
7: Graphing Equations of Lines and Linear Models; Rate of Change	7.1-7.4		
8: Solving Linear Equations and Inequalities to Make Predictions	8.4-8.5	Need to supplement: solving absolute value inequalities for the form $|ax-b|<c$ and graphing solutions	8.4 (Graphing linear equations by solving for y)
9: Finding Equations of Linear Models	9.1-9.3		
10: Using Exponential Models to Make Predictions	10.1-10.5	10.1-10.2 (Focus on basic properties and connection to radicals)	10.3 (Reflection Property), 10.4 (Write equations of exponential function given two points)

Need to supplement logarithms:

- Basic logarithmic functions
- Change of base property
- Solving exponential models (using logarithms)
- Introduction to natural base and natural log