Algebra 1, Learning Log

Name:

Ch. 8	Big Idea: Systems of Equations		Enduring Understanding: There are several different methods for finding solutions to a system of equations.		Enduring Question: How can I tell which ordered pairs work in both these equations?
Day	Title	Concept	Learning Targets (What should I know, be able to do, what attitude should I have?)	How am I doing? ☑ Got it right ☒ Not right yet	Assessments/Learning Activities
1	8.1	Solving Systems of Equations by Graphing	a. Students will understand what a system of equations is. b. Students will understand what a solution to a system of equations is. c. Students will be able to identify solutions to a system of equations from a set of ordered pairs. d. Students will be able to find solutions to systems of equations by graphing.	☐ ☐ ☐ ☐ ☐	8.1, p. 449: 1, 3, 4-12 (by graphing), 13, 14 (by tables), 16, 20
2	8.2	Types of Solutions to Systems of Equations	a. Students will know that systems of linear equations may have no solutions, one solution, or infinitely many solutions. b. Students will be able to determine if a system of equation has none, one, or many solutions (consistent/inconsistent, independent/dependent).	☐ ☐ ☐ ☐ ☐	8.2, p. 455: 1-17, 19, 20
Quiz 8.1-8.2		Score: ___ Poss. ___	What do I need help with?		
3	8.3	Solving Systems of Equations by Substitution	a. Students will be able to solve systems of equations by substitution. b. Students will feel that in most cases solving systems of equations by substitution is easier and more accurate than solving by graphing.	☐ ☐ ☐ ☐ ☐	8.3, p. 461: 4-12, 22-26, 32-33
4	8.4	Solving Systems of Equations by Elimination	a. Students will know that two equations can be added or subtracted by adding or subtracting sides of the equations. b. Students will know the standard form for linear equations ($Ax + By = C$) c. Students will be able to solve systems of equations using elimination.	☐ ☐ ☐ ☐ ☐	8.4, p. 468: 5-13, 20, 23 (a-d)
Quiz 8.3-8.4		Score: ___	What do I need help with?		

		Poss. ___			
5	8.5	Solving Systems of Equations by Elimination	a. Students will know that two equations can be multiplied, then added or subtracted by adding or subtracting sides of the equations. b. Students will know the standard form for linear equations ($Ax + By = C$) c. Students will be able to solve systems of equations using elimination.	☐ ☐ ☐ ☐ ☐	8.5, p. 473: 5-13, 20-22, 25-28
6	Review				Review Handout
7	Test 8	Score: ___	What do I need help with?		