

Algebra 1, Learning Log

Name: _____

Ch. 9		<u>Big Idea:</u> Inequalities	<u>Enduring Understanding:</u> Lots of situations are best described as inequalities rather than equalities.	<u>Enduring Question:</u> How big is too big or too small?	
Day	Title	Concept	Learning Targets (What should I know, be able to do, what attitude should I have?)	How am I doing? <input type="checkbox"/> Got it right <input type="checkbox"/> Not right yet	Assessments/Learning Activities
1	9.1	Representing inequalities using number lines.	a. I understand the different inequality symbols. b. I can express inequalities by graphing number lines. c. I can write inequalities given number line graphs.		9.1, p. 499: 4-21,24,26,28
	9.2	Solving Inequalities with Addition and Subtraction	a. I understand the addition and subtraction properties of equalities can be extended to solving inequalities. b. I can solve and graph solutions to inequalities using addition and subtraction.		9.2, p. 503: 4-24,28 (a-d), 29 (a,b)
Quiz 9.1-9.2		Score: ____ Poss. ____	What do I need help with?		
3	9.3	Solving Inequalities Using Multiplication, Addition, and Subtraction	a. I understand that multiplying or dividing an inequality by a negative numbers must change the direction of the inequality. b. I can solve and graph solutions to inequalities using multiplication, addition and subtraction.		9.3, p. 510: 2-14,20,24,26
4	9.4	Solving Compound Inequalities	a. I see that some situations can only be described by combining one or more inequalities with "and" or "or". b. I can write compound inequalities representing graphs or situations. c. I can solve compound inequalities.		9.4, p. 517: 4-12,16(a-d), 17,19
Quiz 9.3-9.4		Score: ____ Poss. ____	What do I need help with?		
5	9.6	Graphing Inequalities in Two Variables	a. I see that inequalities involving two variables cannot be graphed on a number line; they must be graphed in a coordinate plane. b. I can graph inequalities in two variables.		9.6, p. 528: 1, 2, 4, 6-13, 18 9.4, p. 517: 5, 9, 10, 14 9.3, p. 510: 2, 12, 13, 15 9.2, p. 505: 29-37

			c. I can name several solutions to inequalities in two variables.		
6	9.7	Solving Systems of Inequalities in Two Variables by Graphing	a. I can solve systems of inequalities by graphing		9.7, p. 533: 3-7, 12, 15 9.6, p. 528: 5, 14-17, 19 9.4, p. 517: 8, 15 9.3, p. 511: 26 p. 544: 1, 2, 7
7	Review				p. 554: 1-9, 13-15 p. 557: 1, 2, 4, 5, 7
9	Test 9	Score: ____	What do I need help with?		