Algebra 2 Unit 1 Review Absolute Value Functions and Equations

Name _____

Date ____

Block

This review is a resource that you are to use to help you prepare for the unit assessment. It is not comprehensive. Review all materials from the unit and evaluate your own level of mastery for each learning target. Use <u>all</u> resources available to you, as needed, to best prepare for the unit assessment. Also, make sure you review the Essential Questions because you will have an essay.

Learning Target 1: I CAN identify each function family by its equation and the shape of its graph	
1-10: For each function family, state the parent function and <u>sketch</u> its graph.	
1. Identity Function	2. Absolute Value Function
Equation:	Equation:
3. Square Function	4. Cubic Function
Equation:	Equation:
5. Beciprocal Value Function	6. Square Boot Function
J. Accipiocal value i unction	
Equation:	Equation:
7. Greatest Integer Function	8. Logarithmic Function
Equation:	Equation:
9. Exponential Function	10. Sine Function – Not on your test 🕹
Equation:	Equation:
Learning Target 2: Algebra I Prerequisite Skills: I CAN solve linear equations and inequalities; graph linear functions and	
inequalities	
11-12: Solve each equation for the indicated variable. Circle your final solution.	
11. Solve for h: A = ½(b•h)	12. Solve for L: P = 2L + 2W



27-38: Solve each absolute value equation or inequality. State the solution using set builder notation.	
27. $ t-3 -8=0$	28. $ 3x + 2 \le 7$
29. 7 + 3a = 11 – a	30. $ x+2 \le 2x+7$
31. -2 7x > 56	32. x + 8 - 3 = -3
33. $-6 2x - 14 = 42$	34. x + 0 > 3
35. 4 2x ≥ -04	30. 3 x - 5 - / = 2
37. $-2 7 - 3y - 6 = -14$	38. $2 4 - 3x = 10x + 24$

