Name:	Date:	Hour:Alg 1
Unit 7B Day 14: Solving qu	adratics in vertex form	and in almost dama this month.
Focus Question: How do I solve a q	quadratic in vertex form? (Good news, y	ou ve aiready done inis mostly!)
A. Solutions.	s for "solve" or solutions when referring	g to a quadratic?
1. What are office symonym	Zeros, X-int	
	function can have 0, 1, or 2 x intercepts	
more than 2 x-intercepts's	?	
3. For each graph at right, g	2 albid.	
3. For each graph at right, g and type of solutions the	give the number quadratic has.	
and type of bolanois and	2 complex	1 real
	(noreal,	(repeated) areay
4. The correct order to write	e a monomial complex number is: <u>ratio</u>	onal then imaginary then irrational
Write the following numl	bers in the correct order	c. $3\sqrt{2}i$
a. √47 <i>i</i> 4	b. i√238	2. 3 V Z L
76741	0(125	
	e a binomial complex numbers is: <u>real to</u>	erm then imaginary term
Correctly write the follow a. $i\sqrt{6} + 5$		-2i+4
5+iv6	-VZ + 7i	4-21
B. Solving a Quadratic in Vertex		
1. What is the order of operation	ns? PENDAS	
2. How are these relevant when	solving an equation?	
3. But we don't have an equation make? Why?	n, we have a function $f(x) = a(x - h)^{2}$	
finding		n) THK
	nts	
	s. For each one give its number/type of	
its range.	-8 =(x+5)2	a complex soin
$g(x) = \frac{1}{4}(x+5)^2 + 2$	X+5= \-a	
$0 = \frac{4}{4}(x + 5)^2 + 3$	2 X+5=V41.7	
-2	2 149=47:5	4.62,0
4-2= t(x+5)2	4 -6 -6	72)
	TY=5+ 21.5	
	Towns 7	



