lgebra 1/ Unit 9 Practice Test		Name:	Period:
-	ing Quadratic Functions A quadratic function has a degree of	8. A "zero of a functi	on" is also known as the:
2.	The shape of the graph of a quadratic function is called a	9. What are the zero y = (x + 3)(x - 3)	
3.	If a parabola opens downward, its vertex is a	10. What are the zero $y = x^2 + 5x + 6?$	
4.	Evaluate the parent function, $y = x^2$, for -2 .	11. What is the axis of $y = -2(x - 4)^2$ -	f symmetry of the functior + 1?
5.	What is the coordinate of the vertex of the parent function $y = x^2$.	12. What is the vertex $y = (x + 2)^2 + 3^2$	
		13. Evaluate the funct $x = 1$.	tion $y = (x - 2)^2 - 1$ for
6.	What is the axis of symmetry of the function $y = x^2 - 2x + 4$?		this from narrowest to wide $h(x) = \frac{1}{2}x^{2} \qquad h(x) = 3x^{2}$
7.	What is the vertex of the function		

 $y = x^2 - 2x + 4?$

15. In vertex form, $y = a(x - h)^2 + k$, how does changing the "h" value affect the graph?

Graph the functions.





