Quick plit wite;

Lab 7.3 - Graphing Quadratic Functions

First difuel 15 2ntl. 15 2ntl. 15 2ntl. 15 2ntl.

Graphing Quadratic Functions

	Table			Graph			
$y = x^2 - 6x + 12$	х	$y = x^2 - 6x + 12$				1 1	
				-			Н
Find the vertex:							Н
$\sqrt{x} = -\frac{b}{2a}$							
2a						4	
= 1/2=3				-			
11(2)- 27 22							->
1 4 (3) - 3 - L.3							
+12							
$ \begin{array}{c} 2u \\ = \frac{6}{2} = 3 \\ 4(3) = 3^{2} - 2 \cdot 3^{2} \\ + 12 \\ = -3^{2} + 12 \end{array} $							Н
_ 7							
1 7 7 ALZI 1804 100	tes liter	χ^{7} $y = -3(x+6)^{2} + 4$					
$v = -3(x+6)^2 + 4$	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	$y = -3(x \pm 6)^2 \pm 4$		_		^	
y = 3(x+0) + 4		y = -3(x + 0) + 4					
Find the vertex:							
				-			Н
							Н
							\Box
							-
				-			H
							Н
						↓	
$y = 3x^2 + 12x + 5$	x	$y = 3x^2 + 12x + 5$				↑	
		•					
Find the vertex:							
							\vdash
				4			>
						1	

Writing the equation from the Graph Vertex form:

$$y = a(x - h)^2 + k$$





