



APPLE PICKING

Quadratic Equations: Vertex Form to Standard Form



Directions: Rewrite each Quadratic Equation from Vertex Form to Standard Form. Problem 1 has been completed for you.

W	1	$y = (x + 3)^2 - 1$		11	$y = (x + 1)^2 - 7$
	2	$y = -(x + 3)^2 + 1$		12	$y = -(x + 5)^2 - 3$
	3	$y = 3(x + 1)^2 + 5$		13	$y = (x - 4)^2 - 8$
	4	$y = 2(x - 4)^2 - 3$		14	$y = -2(x + 1)^2 - 1$
	5	$y = (x - 9)^2 + 1$		15	$y = (x - 4)^2 - 9$
	6	$y = (x - 5)^2 + 2$		16	$y = -3(x - 1)^2 - 2$
	7	$y = (x - 3)^2 - 6$		17	$y = (x - 8)^2 + 1$
	8	$y = (x + 7)^2 + 2$		18	$y = 3(x - 2)^2 + 7$
	9	$y = -4(x - 2)^2 + 1$		19	$y = -2(x + 2)^2 - 5$
	10	$y = 2(x - 7)^2 - 3$		20	$y = (x + 3)^2 - 2$



$$y = 3x^2 - 12x + 19$$



$$y = -3x^2 + 6x - 5$$



$$y = -x^2 - 6x - 8$$



$$y = x^2 + 14x + 51$$



$$y = 3x^2 + 6x + 8$$



$$y = -2x^2 - 8x - 13$$



$$y = 2x^2 - 28x + 95$$



$$y = 2x^2 - 16x + 29$$



$$y = x^2 - 18x + 82$$



$$y = x^2 - 8x + 7$$



$$y = x^2 - 16x + 65$$



$$y = -2x^2 - 4x - 3$$



$$y = -4x^2 - 8x + 7$$



$$y = x^2 + 6x + 7$$



$$y = x^2 - 10x + 27$$



$$y = -x^2 - 10x - 28$$



$$y = x^2 - 6x + 3$$



$$y = x^2 - 8x + 8$$



$$y = x^2 + 6x + 8$$



$$y = -4x^2 + 16x - 15$$



$$y = x^2 + 10x + 27$$



$$y = x^2 + 2x - 6$$



*some answer choices
will not be used

