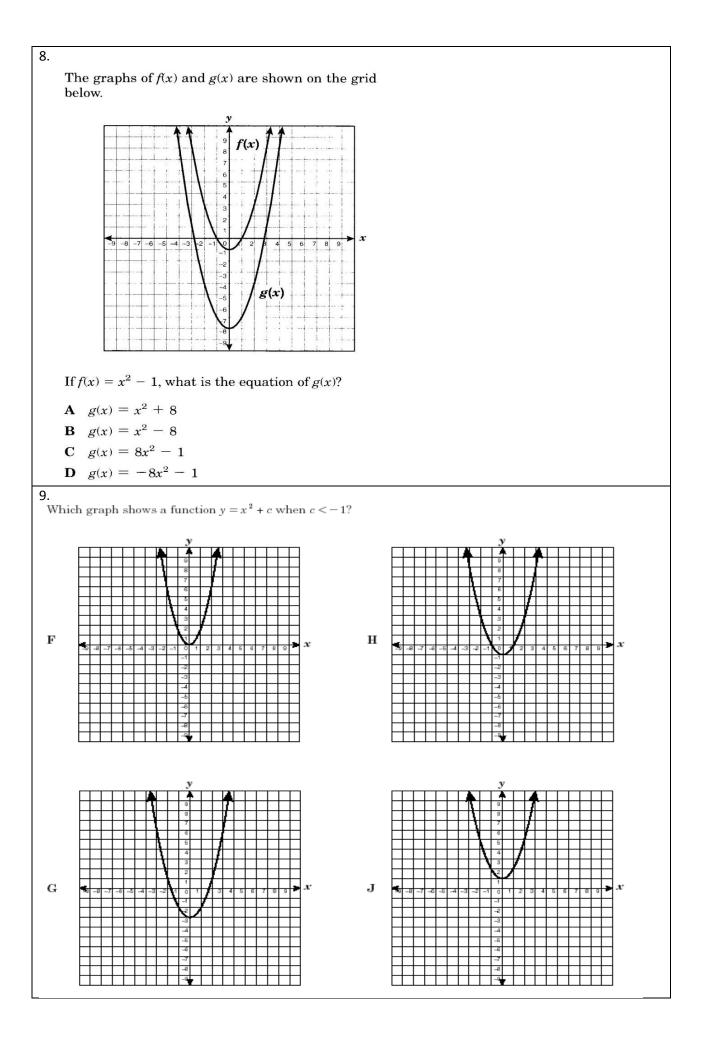
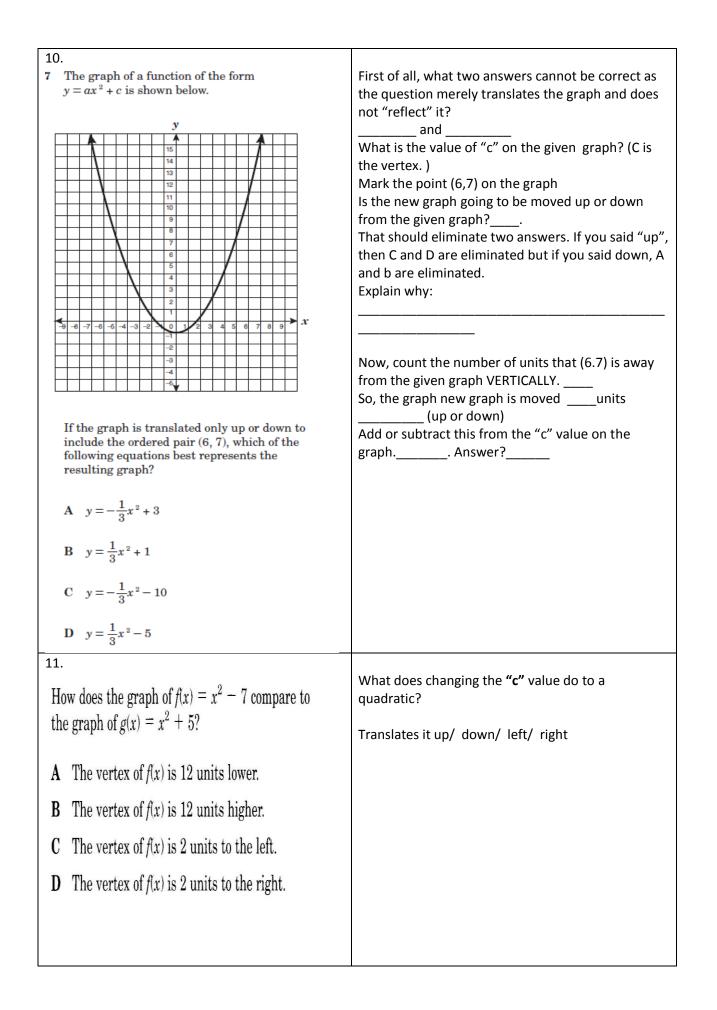
1. The table below shows the relationship between x and y. x y -1 -1 0 1 1 З 2 17 Which function best represents the relationship between the quantities in the table? F y = 2x + 1 $y = 2x^3 + 1$ \mathbf{G} **H** $y = 2x^2 - 3$ $y = 2x^2 + 4x + 1$ J 2. . Which of the following equations best represents the relationship in the set of data shown below? x -4 -3 -1 2 4 12 24 17 9 24 y A y = -7x - 4 $y = \frac{3}{2}x^2$ в y = -5x + 4С **D** $y = x^2 + 8$ 3. How would the graph of the function $y = x^2 + 4$ be affected if the function were changed to $y = x^2 + 1$? The graph would shift 3 units up. F The graph would shift 3 units down. G The graph would shift 3 units to the right. H J The graph would shift 3 units to the left.

	$4x^2$ when the	on the graph of the equation e equation is changed to	D Okay, you get this problem on the TAKS. How can you prove the answer you pick is correct? Explain in real words.
	he graph of y own.	$y = 4x^2$ is translated 8 units	
	he graph of $y = -4x^2 \operatorname{across}^2$	$y = 4x^2$ is a reflection of state the x-axis.	
C T uj		$y = 4x^2$ is translated 8 units	
	he graph of $y = -4x^2 \operatorname{across}$	$y = 4x^2$ is a reflection of state the y-axis.	
5.			6.
How d graph A Th	of $y = x^2 - 4$?	$=x^2-4$ is wider than the	In the graph of the function $y = x^2 + 5$, which describes the shift in the vertex of the parabola if, in the function, 5 is changed to -2 ?
B Th	he graph of $y =$	$=x^{2}-4$ is shifted to the	A 3 units up
let	ft of the graph	n of $y = x^2$.	B 7 units up
		$=x^{2}-4$ is shifted down	C 3 units down
fre	om the graph o	of $y = x^2$.	
	he graph of y = he graph of y =	$= x^{2} - 4$ is narrower than $= x^{2}$.	D 7 units down
7. When g	raphed, which f	y y 10 10 9 6 6 6 7 6 7 6 7 6 7 7 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 11 12 11 12 11 12 11 12 13 14 15 16 17 17 18 19 11 12 13 14 15 16 17 18 19 10 11 12 <th13< th=""> 14</th13<>	ted 2 units up from the graph of $f(x) = x^2 + 1$?
$\mathbf{F} = g(\mathbf{x})$	$x^{2} - 1$	_	
	$=x^{2}+3$		
$\mathbf{H} = g(\mathbf{x})$	$=x^{2}-2$		

- $\mathbf{H} \quad \mathbf{g}(\mathbf{x}) = \mathbf{x}^2 2$
- $J = g(x) = x^2 + 2$





12. 1 The graph of the equation $y = 0.4x^2 - 2$ is shown below.	Translating changes the A value or the C value?????
y y y y y y y y y y y y y y	So, change it and write the equation you get:
13. Which equation is the parent function of a quadratic equation? A $y = \sqrt{x}$ B $y = x$ C $y = x $ D $y = x^2$	 This TAKS question does not to compare to a graph that you can generate on the calculator. This is a vocabulary question. SO, answer the following too: What is the parent function of an absolute value equation? A B C D What is the parent function of a Linear equation? A B C D What is the the parent function of an square root equation? A B C D