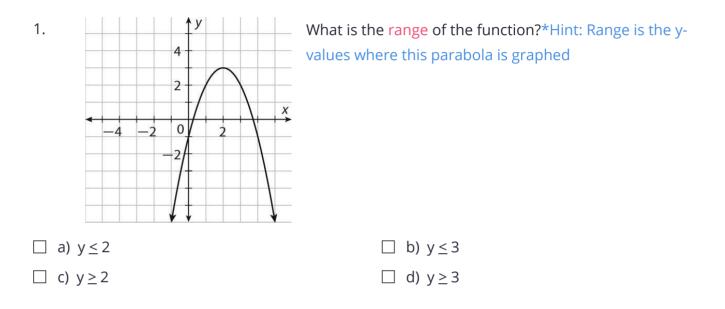
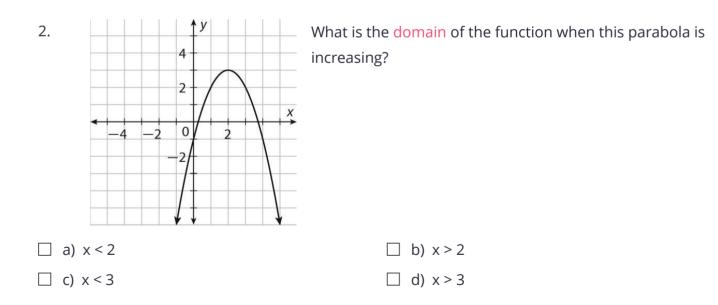
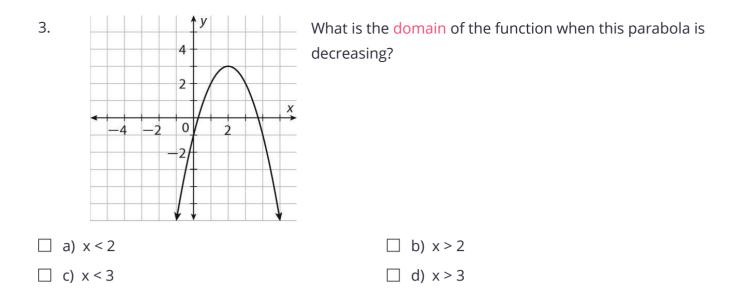
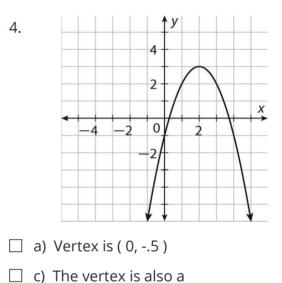
Quizizz	NAME :	
Homework 8.1 due Mon 4/5 *3 Require Graph Photo attached*	CLASS : DATE :	
16 Questions		







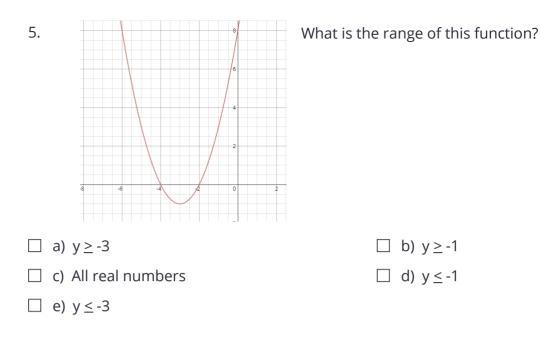


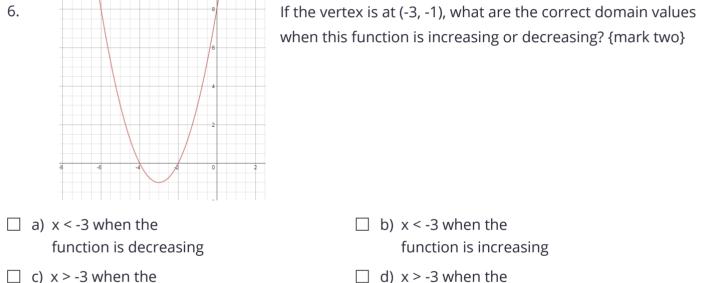
minimum

Identify the vertex of this function and also indicate whether it is a maximum or minimum {mark both answers}

□ b) Vertex is (2, 3)

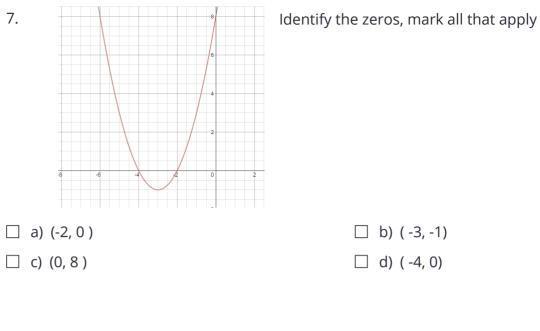
□ d) The vertex is also a maximum

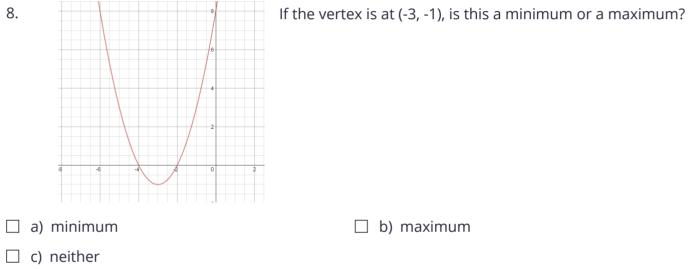




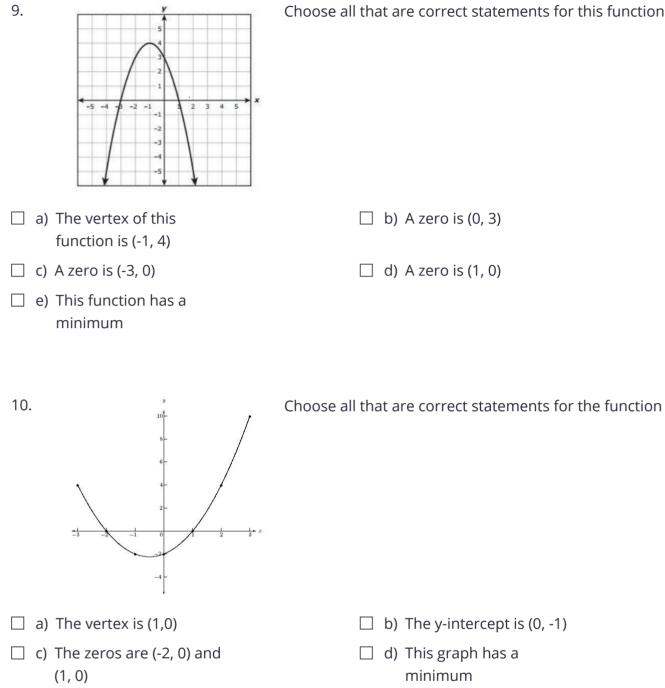
function is increasing

 $\Box$  c) x > -3 when the function is decreasing









11. f(x) = -3x - 11

	Which of the following statements are true a function?	abou	ut ti	he
🗌 a)	The function is linear		b)	The function is quadratic
🗌 c)	The function is decreasing		d)	The function is opening downward
□ e)	The function is increasing			
	f(x) = 3x <sup>2</sup> + 8x - 1Which of the following are t function?	rue	ab	out the
🗌 a)	The function is linear		b)	The function is quadratic
□ c)	The function opens downward, thus has a maximum		d)	The function opens upward, thus has a minimum
□ e)	The function is increasing			
	$f\left(x ight) \ = rac{3}{8}x \ + \ 12 $ Which of the following statements for the function	gare	e co	rrect
🗌 a)	The function is linear		b)	The function is quadratic
□ c)	The function is increasing		d)	The function is decreasing
🗌 e)	The function is opening upward			

- 14.  $f(x) = x^2 5x + 2$  Using technology (Desmos or Graphing Calculator), determine the vertex of the functionATTACH A PHOTO OR SCREEN SHOT OF THE GRAPH
- □ a) (0,2)
   □ b) (3,1)

   □ c) (2.5, -4.25)
   □ d) (-2.5, 0)

15.  $f(x) = 3x^2 + 5$  Using technology (Desmos or Graphing Calculator), determine the vertex of the functionATTACH A PHOTO OR SCREEN SHOT OF THE GRAPH

$\Box$ a) (0, 5)	L D) (3, 0)
□ c) (3, 5)	□ d) (-4, 2)

16.  $f(x) = -8x^2 + 3x + 7$  Using technology (Desmos or Graphing Calculator), determine the vertex of the functionATTACH A PHOTO OR SCREEN SHOT OF THE GRAPH

□ a) (0, 7) □ b) (-8, 7) □ c) (2.2, 5.1) □ d) (0.2, 7.3)