	Heritage High School – Distance Learning Mr. Leong's Algebra 1 Assignment Packet April 28 – May 1
Due Date:	Monday, May 4 by 9:00am <i>Late work will not be accepted</i>
Practice Quiz:	<u>Students with internet access</u> should go to <u>https://joinmyquiz.com/</u> and use code 583347. Please read the directions on the next page on accessing Quizzizz. You will have unlimited attempts on the practice quiz.
	<u>Students with limited internet access</u> can print and complete the practice quiz (attached). Email me a scan/photograph of your work or submit paper copies to the main office on Monday from 12-3pm.
Quiz:	<u>Students with internet access</u> should go to <u>https://joinmyquiz.com/</u> and use code 439589. Please read the directions on the next page on accessing Quizzizz. You will only have 1 attempt on this quiz so you will be prompted to create an account before you take it.
	<u>Students with limited internet access</u> can print and complete the quiz (attached). Email me a scan/photograph of your work or submit paper copies to the main office on Monday from 12-3pm.
Videos:	Students with internet access, please view the videos below.
	Walkthrough of the practice quiz: https://youtu.be/liH7vVGWW-I
	<u>Students with limited internet access</u> can use the teacher's notes at the end of this packet.
Contact:	leongc@luhsd.net 925.634.0037 ext. 6305 Remind @fnctn Zoom office hours (TBA)

Accessing "Quizizz"

1) Go to <u>www.joinmyquiz.com</u>

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<u>)</u> uizizz	Find a quiz Q	Activity			Log in Sign up 😑
		Enter a game code	JOIN	Sign up now to unlock your own avatar	
	You v. Co Are you red cing	Dronavirus the spread of COVID-19?	Take the Quiz		

- 2) Enter the game code provided by your teacher
- 3) Click "Join"
- 4) You must use the following convention for your name to receive credit: Teacher last name- period- Your last name, first name

5) Click "Start Game"

NAME : CLASS : DATE :
□ b) All real numbers
a 🗌 d) y=mx+b
abola into two b) vertex d) all real numbers
\Box b) x=-6
 □ b) (2, 0) □ d) (-2, 4)





10. Match the correct graph with the equation





12. If given the equation $y = 3(x + 5)^2 - 4$, what is the vertex of the parabola?

🗌 a) (5, -4)	🗌 b) (-5, -4)
🗌 c) (-15, -4)	🗌 d) (15, -4)

13. What is the vertex of: $y=(x-3)^2 + 6$

🗌 a) (-3,6)	b) (-3,-6)
□ c) (3,6)	d) (3,-6)

14. Compare $y = x^2 - 7$ to the parent function $y = x^2$ \Box a) moves 7 units right \Box b) moves 7 units left \Box c) moves 7 units up \Box d) moves 7 units down

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b) moves 10 units left

□ d) moves 10 units down

- Compare $y = (x + 10)^2$ to the parent function $y = x^2$ 15.
- □ a) moves 10 units right
- □ c) moves 10 units up
- Compare y = $5(x + 6)^2$ -4 to the parent function y = x^2 16.
- □ a) vertical stretch, moves 6 units left and 4 units up
- \Box c) vertical shrink, moves 6 units right and 4 \Box d) vertical shrink, moves 6 units right and 4 units up
- b) vertical stretch, moves 6 units left and 4 units down
 - units down



Which quadratic function is represented by the graph?

- b) $f(x) = (x + 2)^2 1$ a) $f(x) = (x - 2)^2 - 1$ □ d) $f(x) = -(x - 2)^2 - 1$ \Box c) f(x) = -(x + 2)² - 1
- 18. Which function has a translation of 3 units left and reflects over the x-axis?
- \Box a) $f(x) = (x+3)^2 8$ □ b) $f(x) = -(x+8)^2 - 3$ \Box d) $f(x) = -(x+3)^2 + 8$ \Box c) $f(x) = (x+8)^2 - 3$

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Answer Key

1.	С	6.	d	11. c	16.	b
2.	С	7.	d	12. b	17.	b
3.	а	8.	b	13. с	18.	d
4.	а	9.	b	14. d		
5.	b	10.	а	15. b		

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QUIZIZZ Algebra 1 - Unit 8 Quiz 18 Questions	NAME : CLASS : DATE :
1. What do we call the highest or lowest point \Box a) parabola	t of a quadratic? \Box b) vortex
□ c) graph	☐ d) point
2. What is a axis of symmetry?	
□ a) all real numbers	□ b) y=5
 c) the line that divides the graph into two symmetrical parts 	□ d) y=mx+b
3. What is the axis of symmetry? $f(x) = x^2 - 8x + 15.$	
□ a) x = -4	□ b) x = 4
□ c) y = 4	□ d) y = -4
4. What is the vertex? $y = -2x^2 + 4x + 3$	
□ a) (0, 3)	□ b) (-1, 5)
□ c) (1, 5)	□ d) (1, -5)

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What is the vertex?





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What is the domain of the graph?





11. What is the graph of $y = -3x^2 + 12x - 16$









12. What is the vertex? $f(x) = 2(x - 5)^2 + 12$	
□ a) (-5, -12)	□ b) (5,-12)
□ c) (5, 12)	□ d) (-5, 12)
13. What is the vertex of: $y = (x + 4)^2 - 5$	
□ a) (4,-5)	□ b) (-4,-5)
□ c) (-4,5)	□ d) (4,5)
^{14.} Compare $y = x^2 + 5$ to the parent function	$y = x^2$
□ a) moves 5 units right	b) moves 5 units left
□ c) moves 5 units up	🗌 d) moves 5 units down
^{15.} Compare $y = (x-8)^2$ to the parent function y	$y = x^2$
🔲 a) moves 8 units right	b) moves 8 units left
□ c) moves 8 units up	□ d) moves 8 units down
16. Compare y = $2(x - 3)^2 + 5$ to the parent fun	iction $y = x^2$
 a) vertical stretch, moves 3 units left and 5 units up 	b) vertical shrink, moves 3 units left and 5 units up
 c) vertical shrink, moves 3 units right and 5 units up 	 d) vertical stretch, moves 3 units right and 5 units up
17. Which function has a translation of 7 units reflects over the x-axis?	down and
□ a) $f(x) = -(x - 7)^2 + 1$	□ b) $f(x) = (x + 7)^2 + 1$
\Box c) f(x) = -(x - 1) ² - 7	□ d) $f(x) = (x + 1)^2 - 7$

18.

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Which quadratic function is represented by the graph?



- a) $y = 2(x 4)^2 + 5$
- C) $y = -2(x 4)^2 + 5$

□ b) $y = 2(x + 4)^2 + 5$ □ d) $y = -2(x + 4)^2 + 5$ 4/16/2020

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