Student lime Expectation per day: 30 minutes							
Content Area & Materials	Learning Objectives		Tas	SKS	Check-in Opportunities	Submission of Work for Grades	
Digital (If you can work digitally, please do. It will help to keep us all safe (2) • Khan Academy (KA) Access Code Period 4: ZW3XF7WD Period 5: 5SPC2CFN • Summary Assignment Posted on Classroom Website and sent via Remind App.	Suggested Order / Pa Review Graphing Qua (Monday) Quadratic Wa (Tuesday) Quadratic Fur Quiz ½ (Wedn Forms & Featu Functions (Thu Finding Featur Functions (Fric	<u>acing</u> adratics: Vertex Form and Problems actions & Equations: aesday) ares of Quadratic arsday) res of Quadratic ay)	•	Students are to complete the assigned Khan Academy assignments . After completing the Khan Academy assignments, please complete the summary assignment .	Mrs. De La Mora is available during the office hours at the times indicated below. • 10:00 am-12:00 pm Monday-Friday • Remind App CODE: dk4g79 • <u>adelamora@tus</u> <u>d.net</u>	 KA assignments will be recorded with the highest scores attained Submit the summary assignment through a picture via Remind App. (Scored on Accuracy) 	
 Hard Copy (Please only use this if you do not have technology available) Notes + Examples Assignments 	 <u>Suggested Order / Pacing</u> Review Graphing Quadratics: Vertex Form (Monday) Quadratic Word Problems (Tuesday) Quadratic Functions & Equations: Quiz ½ (Wednesday) Forms & Features of Quadratic Functions (Thursday) Finding Features of Quadratic Functions (Friday) 		•	Students are to read the lesson and examples provided On a separate sheet of paper for each assignment, complete ALL problems showing your work.	Mrs. De La Mora is available during the office hours at the times indicated below. 10:00 am-12:00 pm Monday-Friday Remind App CODE: dk4g79 adelamora@tus d.net 	 Group your work together for your math class IN ORDER, and with the following labels clearly displayed: Student Name: Teacher Name: Class Name/Subject: Period: Assignment Week # Assignments will be scored on accuracy. 	
<u>Scheduled</u>, if possible,Discussion	Zoom classes can be kimballmath.wordpre Discussions will revolve	held during tutoring ho ss.com e around discovery and	urs. d ap	Schedule your meetir plication of concepts	ngs by visiting the class we assigned for the week.	bsite:	
Scaffolds & Supports	KA assignments can often be re-tried to improve learning. Videos are utilized to demonstrate not only key concepts, but also frequent points of errors, helping students avoid pitfalls.						
Teacher Office Hours	Monday	Tuesday		Wednesday	Thursday	Friday	
2 hours daily (all classes):ContactPlatform	10:00 am-12:00 pm	10:00 am-12:00 pm	1	10:00 am-12:00 pm	10:00 am-12:00 pm	10:00 am-12:00 pm	

Student Name: Teacher Name: De La Mora Class Name/Subject: Algebra 1 Period: Assignment Week #: 4	NOTES: Complete all work on a separate sheet of paper. Include the heading provided on each worksheet you turn in. Show all work.				
Assignment Week #: 4	Parent Function Table What do you notice about the table? Transformation Function Table How is the transformed table different from the parent table? Transformation Function Table How is the transformed table different from the parent table? Transformation Function Table How is the transformed table different from the parent table? Transformation Function X Y -2 4 -1 1 0 0 1 1 2 4 Parent Function Hour	y = x ² x y -2 4 -1 1 0 0 1 1 2 4 -1 1 0 0 1 1 2 4 y = (x - 5) ² x y 3 4 4 1 5 0 6 1 7 4 y = 4(x) ² x y -2 16 -1 4 0 0 1 4 2 16 y x y 1 4 2 16 y x y 1 4 2 1 3 0 4 1 5 4 0 1 4 1 5 4 0 1 <t< th=""><th>Transformation FunctionTableHow is the transformed table different from the parent table?Transformation FunctionTableHow is the transformed table different from the parent table?Transformation FunctionTableHow is the transformed table different from the parent table?Image: table different from the parent table?= $2(x - 3)^2 - 6$Image: table different from the parent table?= $2(x - 3)^2 - 6$Image: table different from the parent table?= $2(x - 3)^2 - 6$Image: table different from the parent table?= $2(x - 3)^2 - 6$Image: table different from the parent table?Image: table different from the parent table?= $2(x - 3)^2 - 6$Image: table different from the parent table?Image: table different from table?<th>$y = x^{2}+2$ $x y$ $-2 6$ $-1 3$ $0 2$ $1 3$ $2 6$ $y = (x + 3)^{2}$ $x y$ $-5 4$ $-4 1$ $-3 0$ $-2 1$ $-1 4$ $y = 1/2(x)^{2}$ $x y$ $-2 2$ $-1 \frac{1}{2}$ $-0 0$ $1 \frac{1}{2}$ $2 2$ $x y$ $1 2$ $2 -4$ $3 -6$ $4 -4$ $5 2$ $Vertical Shift 6$ Units Down $\sqrt{1} \sqrt{1}$</th><th></th></th></t<>	Transformation FunctionTableHow is the transformed table different from the parent table?Transformation FunctionTableHow is the transformed table different from the parent table?Transformation FunctionTableHow is the transformed table different from the parent table?Image: table different from the parent table?= $2(x - 3)^2 - 6$ Image: table different from the parent table?= $2(x - 3)^2 - 6$ Image: table different from the parent table?= $2(x - 3)^2 - 6$ Image: table different from the parent table?= $2(x - 3)^2 - 6$ Image: table different from the parent table?Image: table different from the parent table?= $2(x - 3)^2 - 6$ Image: table different from the parent table?Image: table different from table? <th>$y = x^{2}+2$ $x y$ $-2 6$ $-1 3$ $0 2$ $1 3$ $2 6$ $y = (x + 3)^{2}$ $x y$ $-5 4$ $-4 1$ $-3 0$ $-2 1$ $-1 4$ $y = 1/2(x)^{2}$ $x y$ $-2 2$ $-1 \frac{1}{2}$ $-0 0$ $1 \frac{1}{2}$ $2 2$ $x y$ $1 2$ $2 -4$ $3 -6$ $4 -4$ $5 2$ $Vertical Shift 6$ Units Down $\sqrt{1} \sqrt{1}$</th> <th></th>	$y = x^{2}+2$ $x y$ $-2 6$ $-1 3$ $0 2$ $1 3$ $2 6$ $y = (x + 3)^{2}$ $x y$ $-5 4$ $-4 1$ $-3 0$ $-2 1$ $-1 4$ $y = 1/2(x)^{2}$ $x y$ $-2 2$ $-1 \frac{1}{2}$ $-0 0$ $1 \frac{1}{2}$ $2 2$ $x y$ $1 2$ $2 -4$ $3 -6$ $4 -4$ $5 2$ $Vertical Shift 6$ Units Down $\sqrt{1} \sqrt{1}$	
Tuesday	A rocket is launched from a Its height (in meters), $x \sec \alpha$ h(x) = -4(x+2)(x-1) What is the height of the rock How many seconds after the 0 = -4(x+2)(x-1) How many seconds after the What is the maximum height h(x) = -4(x+2)(x-1)	platform. platform. onds after the law $(8)^{+}$ ocket at the time aunch will the re- ceing launched $(2 + 1)^{(2 - 1)^{(1 - 1^{(2 - 1)^{(1 ^{(1 ^{(1 - 1 ^{(1 - 1^{(1 - 1^{(1 - 1^{(1 ^{(1 ^{(1 ^{(1 ^{(1 ^{(1 ^{($	inch, is modeled by $\chi = 0$ $\chi = 0$	$8 \cdot -9 \cdot 2$ $8 \cdot -9 \cdot 2$ $7 \cdot (-16)$ -0 X-18=0 4×-18 4×-18	



Student Name: Teacher Name: De La Mora Class Name/Subject: Algebra 1 Period:	Complete all work on a separate sheet of paper. Show all work. Include the heading provided on each
Assignment Week #: 4	
Monday	Tuesday
1.) Graph the equation. $v = -2(x+5)^2 + 4$	1.) An object is launched from a platform.
Parent Function Transformation Function	Its height (in meters), x seconds after the launch, is modeled by: $h(x) = -5(x-4)^2 + 180$ What is the height of the object at the time of launch? How do you know?
	2.) A hovercraft takes off from a platform.
Graph	Its height (in meters), x seconds after the launch, is modeled by: $h(x) = -3(x - 3)^2 + 180$
	What is the height of the hovercraft at the time of takeoff? How do you know?
3.) (x)Graph the equation. $y = 3(x+1)^2 - 2$	3.) Amir stands on a balcony and throws a ball to his dog, who is at ground level.
4.) Graph the equation. $y = 3x^2 + 1$	The ball's height (in meters above the ground), x seconds after Amir threw it, is modeled by: $h(x) = -(x-2)^2 + 16$ What is the height of the ball at the time it is
	thrown? How do you know?
5.) Graph the equation. $y = 2(x-4)^2 + 5$	4.) The population in a certain part of the ocean (in thousands of fish) as a function of the water's temperature (in degrees Celsius) is modeled by:
6.) Graph the equation. $f(x) = -3(x-1)^2 + 1$	$P(x) = -2(x-9)^2 + 200$
f(x) = -3(x - 1) + 1	What is the maximum number of fish? How do you know?
7.) Graph the equation. $y = -1/2(x + 2)^2 - 4$	5.) The number of mosquitoes in Minneapolis, Minnesota (in millions of mosquitoes) as a function of rainfall (in centimeters) is modeled by:
8.) Graph the equation.	$m(x) = -(x-5)^2 + 25$
$g(x) = \frac{1}{3}(x-6)^2 + 1$	How many centimeters of rainfall will produce the maximum number of mosquitoes? How do you know?

Student Name: Teacher Name: De La Mora Class Name/Subject: Algebra 1 Period:		Complete all work on a separate sheet of paper. Show all work. Include the heading provided on each worksheet you turn in.		
Assignment Week #: 4				
weanesaay	//Inursaay	Friday		
Quiz #1	· · · · · · · · · · · · · · · · · · ·	1.) The function f is given in three equivalent forms.		
mobile app. The company's mo	any's annual profit) in	Which form most quickly reveals the y-intercept? How		
millions of dollars) as a fu	unction of the app's	do you know?		
price (in dollars) in mode P(x) = -2(x)	Field by: (x-3)(x-11)	a.) $f(x) = -3(x-2)^2 + 27$		
What would be the com	pany's profit if the app	b.) $f(x) = -3x^2 + 12x + 15$		
price is 0 dollars? 2) Graph the function $h(r)$	(x - 4) = -4(x - 3)(x - 1)	c.) $f(x) = -3(x+1)(x-5)$		
3.) Identify the vertex and t	he			
axis of symmetry.		What is the y-intercept?		
4.) Solve for x. (x-7)(-4x-2) = 0	0			
5.) Sarah kicked a ball in th	e air.	2.) The function m is given in three equivalent forms. Which		
height of the ball (in me	e ters) as	form most quickly reveals the vertex?		
a function of time (in sec	conds)	a.) $m(x) = 2(x+4)^2 - 8$		
atter Sarah kicked it. Wh these statements are tru	ich of	b.) $m(x) = 2(x+6)(x+2)$		
a. The ball moved upw	ards for	c.) $m(x) = 2x^2 + 16x + 24$		
about 3.5 sec.				
upwards after about	t 1.75 sec.	What is the vertex?		
c. The ball hit the groun	nd after about 3.5 sec.			
Quiz #2		3.) The function m is given in three equivalent forms. Which		
1.) Find the zeros of the fun	ction.	form most quickly reveals the zeros (or roots) of the		
2.) Find the zeros of the fun	$= (x + 6)^2 - 49$ ction.	function?		
$g(x) = -10x^2 + 490$		a m(x) = 2(x+6)(x+2)		
3.) The fish population in a c (in thousands of fish) as	certain part of the ocean a function of the water's	$h = 2r^2 + 16r + 24$		
temperature (in degree	s Celsius) is modeled by:	$\sum_{n=1}^{\infty} m(x) = 2(x + 4)^2 = 0$		
P(x) = What is the maxi	$-2(x-9)^2 + 400$	C.f(m(x) - 2(x + 4)) = 0		
4.) Tara solved a quadratic	equation. Her work is			
shown below, with Step	2 missing. What could	Identity the zeros.		
$2(x-3)^2+6=14$	Tesuli IIOIII STEP 29	4.) The function f is given in three equivalent forms. Which		
		form most quickly reveals the y-intercept?		
$2(x-3)^2=8$	Step 1	$f(x) = \frac{1}{2}(x-3)(x-7)$		
	Step 2	b = b = b + b = b + b + b + b + b + b +		
	-	$D.f(x) = \frac{1}{2}(x-5)^2 - 2$		
$x-3=\pm 2$	$\operatorname{Step} 3$	C.) $f(x) = \frac{1}{2}x^2 - 5x + \frac{21}{2}$		
$x=1 ext{ or } x=1$	= 5 Step 4			
5.) Graph the function, $a(x) = 2(x - 2)^2 + 2$		What is the v intercent?		
, , ,				