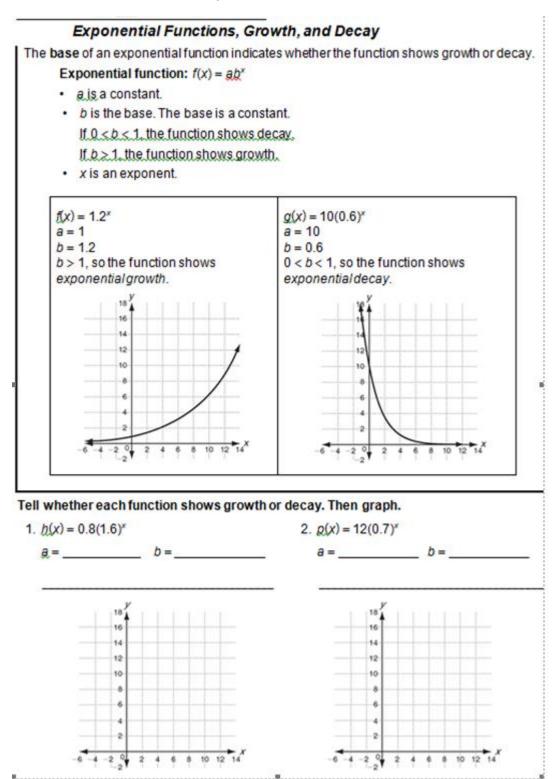
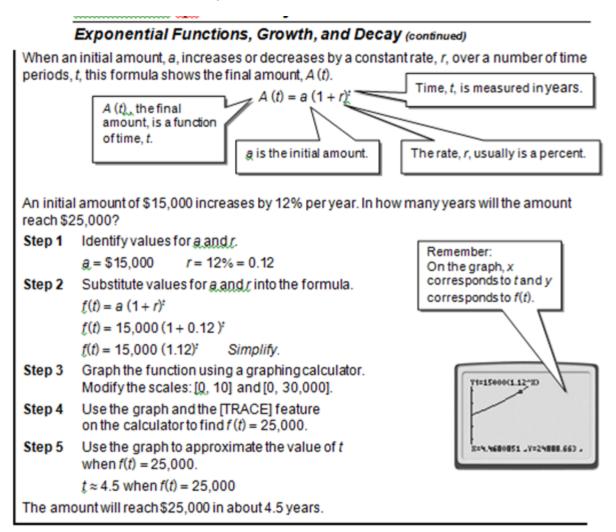
	2017 ALGEBRA 2 2018 WEEKLY ASSIGNMENT SHEET FOR						
MAY. 07 TO MAY. 11							
	FOURTH QUARTER (Q4). WEEK 6 OF 9. (Q4-6)						
INS	TRUCTOR: MR. ANDRUS. ROOM: 514						
1. 2. 3. 4.	<ul> <li><b>SCCCR STANDARDS:</b></li> <li>Improve organization skills.</li> <li>Move from memorizing and repeating to applying and thinking.</li> <li>Read, write and interpret math statements.</li> <li>Use mistakes as opportunities to learn.</li> <li>Expand successes and build up weaknesses. Continue to move forward.</li> <li>SCCCR STANDARDS:</li> <li>1. Exponential and Logarithmic Functions.</li> <li>Graph, interpret and solve.</li> <li>2. A2.ACE.1*, A2.ACE.2*, A2.ACE.4*, A2.ASE.3*, A2.FBF.3*</li> <li>A2.FIF.8*, A2.FLQE.1*, A2.FLQE.2*, A2.FLQE.5*</li> <li>3. Review.</li> </ul>						
<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>	ONDAY (IF YOU DID NOT ATTEND LAST FRIDAY'S CLASS.)→→         After this week, what % of Q4 is complete? What % of S2 grade is complete?         Read & study section 4-1. Record 3 key words. Starting on p. 237 do 1 – 11, 29.         Read & study worksheet q4-6 Monday. Record 3 key words.         Complete all problems on worksheet.         Keep this work in your binder.						
<b>TL</b> 1. 2. 3. 4. 5.	ESDAY (IF YOU DID NOT ATTEND CLASS ON MONDAY)→→ Grade/UPDATE/discuss Monday's work. Read & Study section 4-3. Record 3 key words. Starting on p. 253 do 1 – 15, 17 – 30. Read & study worksheet q4-6 Tuesday. Record 3 key words. Complete all problems on worksheet. Keep this work in your binder.						
	EDNESDAY (IF YOU DID NOT ATTEND CLASS ON TUESDAY)→→ Grade/UPDATE/discuss Tuesday's work. Complete all items on test review sheet. Journal: Explain how to covert from exponential to logarithmic form. Hint: P.249 example 1. Turn in before leaving class.						
TH 1. 2. 3. 4.	URSDAY (IF YOU DID NOT ATTEND CLASS ON WEDNESDAY)→ Grade/UPDATE/discuss Wednesday's work. Review. Complete Weekly Test Q4-6 in Aleks. You may use all note pages on this test. If you did not attend class yesterday, your first take will count as your new test problems. Your 2 <sup>nd</sup> take will count as your test score. Additional takes will be updates.						
FF	<b>IDAY (IF YOU DID NOT ATTEND CLASS ON THURSDAY)</b> Please complete the weekly test today. $\bigcirc$						

- 1. Update yesterday's test. Due by the end of class.
- 2. Problem solving Q4-6. Turn in before leaving class.

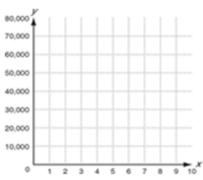




## Write an exponential function and graph the function to solve.

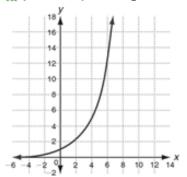
3. An initial amount of \$40,000 increases by 8% per year. In how many years will the amount reach \$60,000?

a. a = \_\_\_\_\_\_
b. r = \_\_\_\_\_\_
c. f(t) = \_\_\_\_\_\_
d. Approximate t when f(t) = 60,000 t ≈ \_\_\_\_\_\_

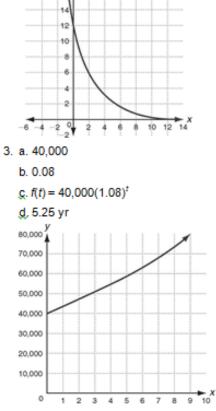


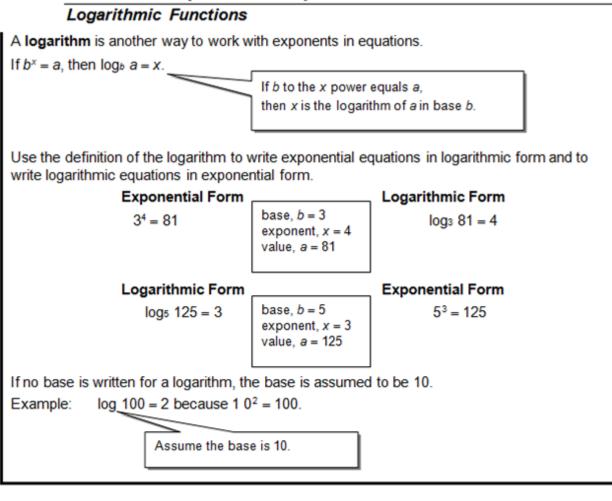
1. 0.8; 1.6

h(x) shows exponential growth.





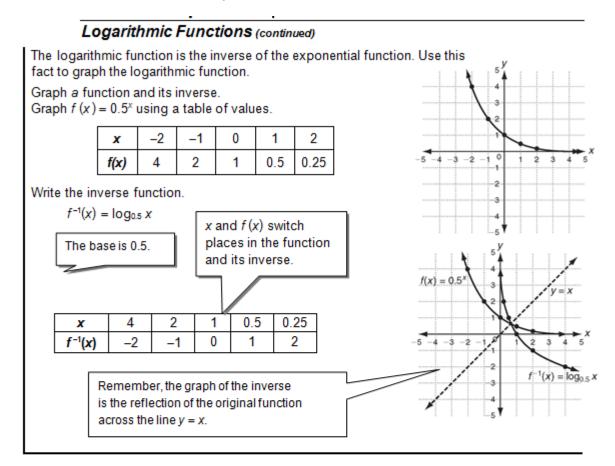




## Write each exponential equation in logarithmic form.

1. 7 <sup>2</sup> = 49	2. $6^3 = 216$	3. $2^5 = 32$
b = 7, x = 2, a = 49	b =, x =, a =	
Write each logarithmic equ	ation in exponential form.	
4. log₀ 729 = 3	5. $\log_2 64 = 6$	6. log 1000 = 3
b = 9, x = 3, a = 729	b =, x =, a =	

## Worksheet Q4-6 sheet Tuesday continued.



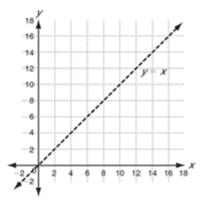
## Complete the tables. Graph the functions.

7.  $f(x) = 4^x$ 

	x	-2	-1	0	1	2
ſ	f(x)	1 16	1 4			

 $f^{-1}(x) = \log_4 x$ 

x	1 16	$\frac{1}{4}$		
f <sup>-1</sup> (x)				



1.  $\log 7 49 = 2$ 2. b = 6, x = 3, a = 216  $\log 6 216 = 3$ 3. b = 2, x = 5, a = 32  $\log 2 32 = 5$ 4.  $9^3 = 729$ 5. b = 2, x = 6, a = 64  $2^6 = 64$ 6. b = 10, x = 3, a = 1000 $10^3 = 1000$ 

x	-2	-1	0	1	2
f(x)	$\frac{1}{16}$	$\frac{1}{4}$	1	4	16

x
 
$$\frac{1}{16}$$
 $\frac{1}{4}$ 
 1
 4
 16

 f^{-1}(x)
 -2
 -1
 0
 1
 2

