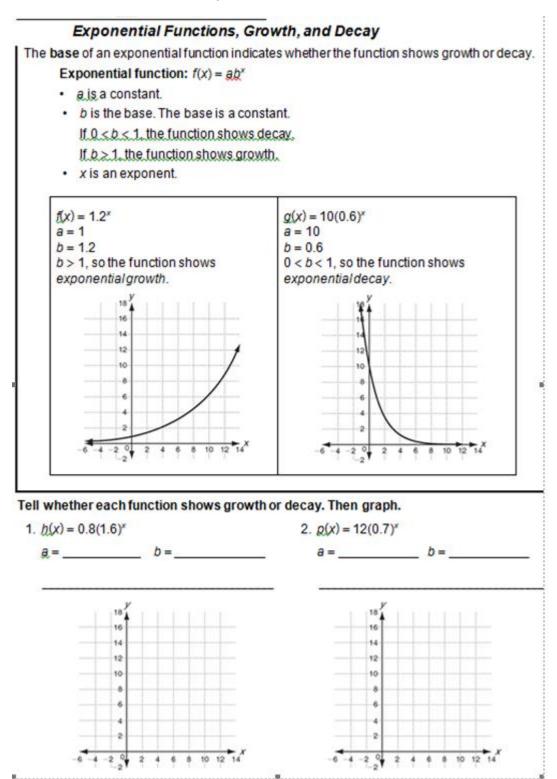
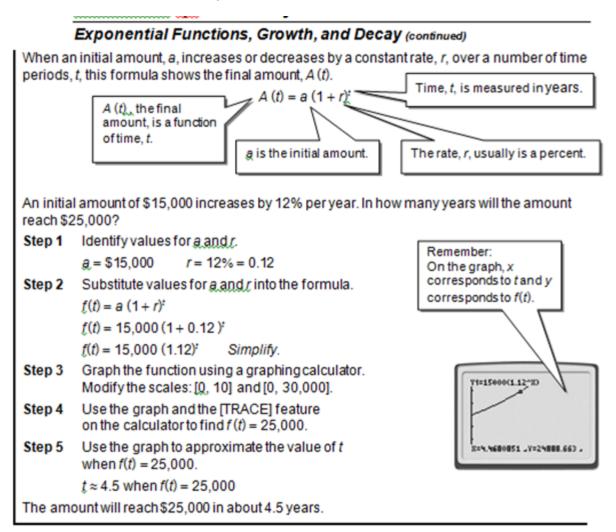
	2017 ALGEBRA 2 2018 WEEKLY ASSIGNMENT SHEET FOR						
MAY. 07 TO MAY. 11							
	FOURTH QUARTER (Q4). WEEK 6 OF 9. (Q4-6)						
INS	TRUCTOR: MR. ANDRUS. ROOM: 514						
1. 2. 3. 4.	 SCCCR STANDARDS: Improve organization skills. Move from memorizing and repeating to applying and thinking. Read, write and interpret math statements. Use mistakes as opportunities to learn. Expand successes and build up weaknesses. Continue to move forward. SCCCR STANDARDS: 1. Exponential and Logarithmic Functions. Graph, interpret and solve. 2. A2.ACE.1*, A2.ACE.2*, A2.ACE.4*, A2.ASE.3*, A2.FBF.3* A2.FIF.8*, A2.FLQE.1*, A2.FLQE.2*, A2.FLQE.5* 3. Review. 						
 1. 2. 3. 4. 5. 	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.						
TL 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 nd take will count as your test score. Additional takes will be updates.						
FF	IDAY (IF YOU DID NOT ATTEND CLASS ON THURSDAY) 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.

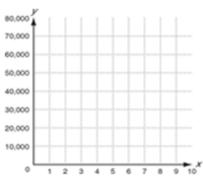




Write an exponential function and graph the function to solve.

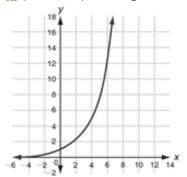
3. An initial amount of \$40,000 increases by 8% per year. In how many years will the amount reach \$60,000?

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

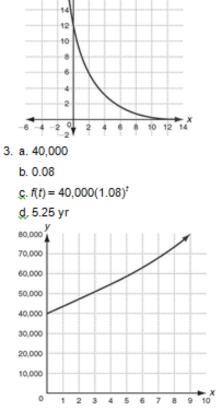


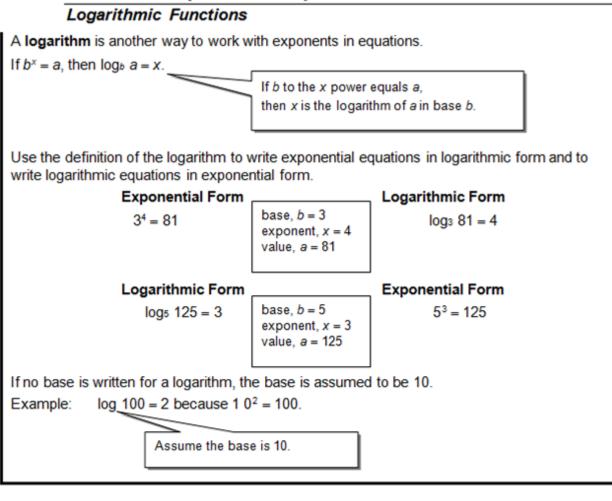
1. 0.8; 1.6

h(x) shows exponential growth.





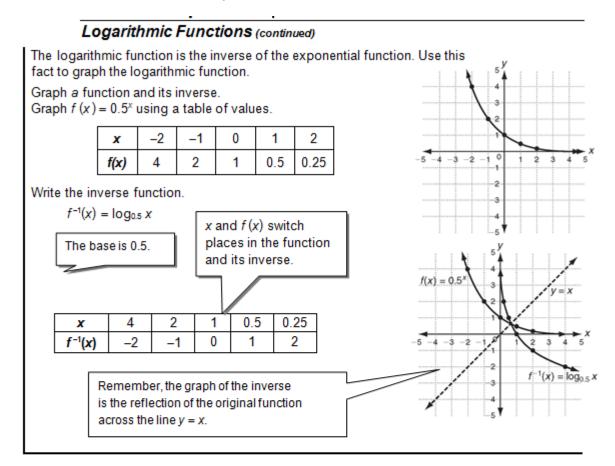




Write each exponential equation in logarithmic form.

1. 7 ² = 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.



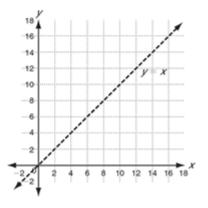
Complete the tables. Graph the functions.

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 ⁻¹ (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

