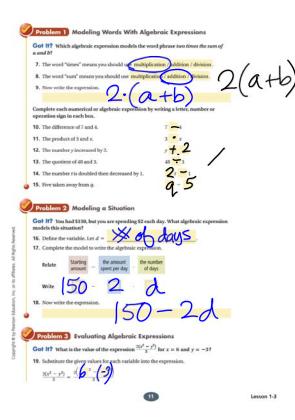


- ... Complete Title Page (handout)
- ... Get out your NEW spiral for this class ONLY -- If you want to buy one from me, the cost is \$1.

Homework:

What questions do you have?

1-3 Algebro	
centra .	
Vocabulary	-8
vocabolary	4
Review	7
Simplify each numerical expression.	7+-15 0
1. 6(5 - 2) + 7 2 2	3. (-5) ² - (4) ² =
averal la state	() - 2 - 1
 Vocabulary Builder 	
evaluate (noun) ee VAL you ayt	
Definition: To evaluate an express variable and then simplify to get a	ion means to substitute a number for each a value.
Example: To evaluate xy for $x = 2$ xy = (2)(3) = 6.	$2 \text{ and } y = 3, \text{ substitute } 2 \text{ for } x \text{ and } 3 \text{ for } y; \qquad 3 - (9)(-4)$
Use Your Vocabulary	$a/a^2(u)$
Evaluate each expression for the give	en values of the variables. $3-(3)(-7)$
4. $a + \frac{b}{4}$ for $a = -2$ and $b = 8$	5. $x - x^2 y$ for $x - 3$ and $y = -4$
	79 /
0	5 2-1-2
we note	
Key Concept Pr	operties for Simplifying Algebraic Expressions
 Draw a line from each property in property in Column B. Let a, b, ar 	a Column A to an algebraic example of the 5 of c represent real numbers.
Column A	Column B g
Distributive Property for Subtract	(a + b) = -a + (-b) = -a - b
Multiplication by	Column A to an algorithm example of time d c represent real numbers. Column B a = -a a(b - c) = ab - ac
Multiplication by	/ a =-a
Opposite of a Sum	a(b-c) = ab - ac
Opposite of a Difference	$\sigma a = 0$
Opposite of an Opposite	(a-b) = -a+b = b-a



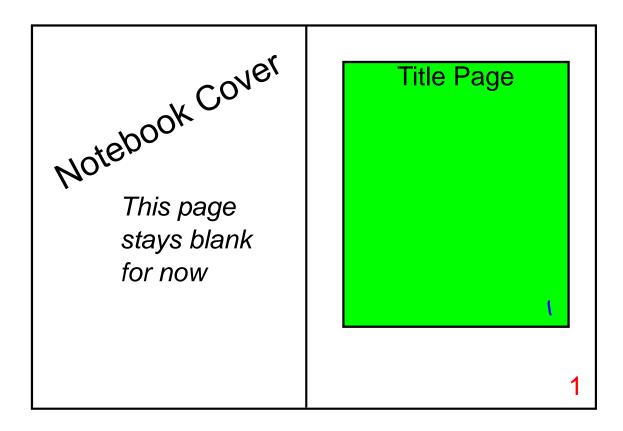
Got It?						luating	an Ex	pressio	n		
Got It?						luating	an Ex	pressio	n		
	Inb	askert									
	diam'r					by makin algebraic o					
of point	that	a bask	etbal	l team s	cores is	n a game?	If a team	n makes l	10 two-po		
				free th	rows, h	ow many j	points d	oes it sco	re in all?		
21. Defi											
				f two-p							
Let		-							_, and		
Let	f = _								-		
			spress	ion for	the tota	lnumber	of points	s a team c	an score i	in	
	game										
2	+ 3	8	+								
23. Eval	uate t	he exp	oressi	on for t	= 10, 1	h = 5, and	i f = 7.				
23. Eval	uate t	he exp	pressie	on for t	= 10, 3	h = 5, and	đ f = 7.				
23. Eval	uate t	he exp	pressie	on for <i>t</i>	= 10, 3	h = 5, and	₫ <i>f</i> = 7.				
23. Eval	uate t	he exp	pressie	on for t	= 10, 3	h = 5, and	đ f = 7.				
					= 10,)	h = 5, and	₫ <i>f</i> = 7.				
23. Eval				on for <i>t</i>	= 10,)	h = 5, and	₫ <i>f</i> = 7.				
24. The The expr	team	scores n 5ax	d + 6y	points. – 7 ha	s three	terms: 5ax	t, 6y, and				
24. The The expr The coef	team ession ficient	scores n 5ax r is the	d + 6y nume	points. - 7 ha	s three ctor of a	terms: 5ax	t, 6y, and				
24. The The expr The coef The cont	team ession ficient tant t	scores n Sax ris the erm is	d + 6y nume the te	points. - 7 ha erical fa	s three coro fa	terms: Sax a term: 5, 6 iables: -7	t, 6y, and 5	d -7.			
24. The The expt The cong The cong Identify	team ession ficient tant to the co	scores n 5ax ris the erm is oefficie	d + 6y nume the te	points. - 7 ha erical fa	s three i ctor of a no var	terms: 5ax a term: 5, 6 iables: -7 ot term in c	t, 6y, and 5 7. rach exp	d -7.			
24. The The expr The coef The corr Identify 25. 2x ²	team ession ficient tant t the co - 3x	scores n 5ax ris the erm is oefficie + 5	d + 6y nume the te ents a	points. - 7 ha erical fa erm with nd the c	s three i ctor of a no var	terms: Sax a term: 5, 6 iables: -7 at term in e -4)x + 1	r, 6y, and 5 7. rach exp 8x - 3	d –7. pression.			
24. The The expr The cons Identify 25. 2x ² Coe	team ession ficient tant to the co	scores n Sax ris the erm is oefficie + 5 nts:	d + 6y nume the te	points. - 7 ha erical fa erm with nd the c	s three i ctor of a no var	terms: 5ax a term: 5, 6 iables: -7 ot term in c	t, 6y, and 5 7. each exp 8x - 3 ents:	d -7.			

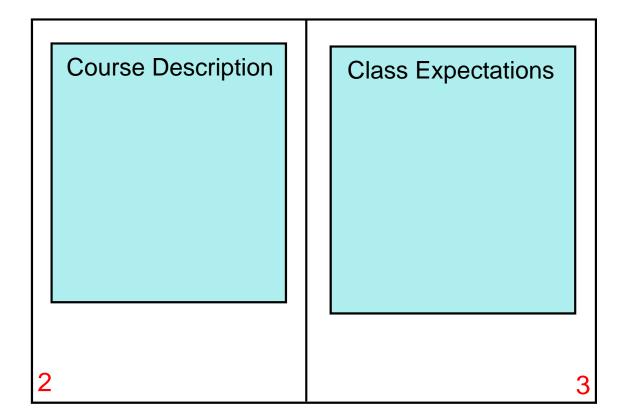
$-4j^2 - 7k + 5j + j^2$? At the right is one student's solution	DIL.
	Rase's Solution $-4j^2 - 7k + 5j + j^2 = -3j^2 - 7k + 5j$ $= -3j^2 - 2kj$
27. What error did Rose make?	
28. Simplify the expression corre-	cdy.
Lesson Check	Do you UNDERSTAND?
Compare and Contrast How are	algebraic expressions and numerical expressions
Compare and Contrast How are alike? How are they different? In	
Compare and Contrast How are alike? How are they different? In	algebraic expressions and numerical expressions clude examples to justify your reasoning.
Compare and Contrast How are alike? How are they different? In 29. How is an algebraic expressio	algebraic expressions and numerical expressions chude examples to justify your reasoning. n different from a numerical expression?
Compare and Contrast How are alike? How are they different? In 29. How is an algebraic expression 30. Put an N next to each <i>numeri</i>	algebraic expressions and numerical expressions chude examples to justify your reasoning. In different from a numerical expression?
Compare and Contrast How are alike? How are they different? In 29. How is an algebraic expression 30. Put an N next to each <i>numeri</i>	algebraic expressions and numerical expressions chude examples to justify your reasoning. n different from a numerical expression?
Compare and Contrast How are alike? How are they different? In 29. How is an algebraic expression 30. Put an N next to each <i>numeri</i>	algebraic expressions and numerical expressions chude examples to justify your reasoning. In different from a numerical expression?
Compare and Contrast How are alike? How are they different? In 29. How is an algebraic expression 30. Put an N next to each <i>numeri</i>	algebraic expressions and numerical expressions chude examples to justify your reasoning. In different from a numerical expression?
Compare and Contrast. How are alike? How are they different In 29. How is an algebraic expressio 30. Put an N next to each <i>numeri</i> 3x + 2 6 - 4 Moth Success Check off the vocabulary words to	algebraic expressions and numerical expressions clude examples to justify your reasoning. In different from a numerical expression?
Compare and Contrast. How are alike? How are they different? In 29. How is an algebraic expression 30. Put an N next to each numeri 3x + 2 6 · 4 Moth Success	algebraic expressions and numerical expressions chule examples to justify your reasoning. In different from a numerical expression?

Lesson 1-3



Algebra 2 Interactive Notebook





	Persevere		Table of Contents:			
			Page(s)	Торіс	Book Sect.	
4					5	

	Table of Contents	6:	Table of Contents:			
Page(s)	Торіс	Book Sect	Page(s)	Торіс	Book Sect.	
6					7	