Algebra I Sem 1

Activity	Points	% of Total
Exam	200	12%
Practice	80	5%
Quiz	1100	65%
Test (CST)	300	18%

Tot

ıU

u12		0570		
est (CST)	300	18%		
tal Points for tl	ne Course : 168	80		
nit 1 · Salv	vina Rasic	Equations		
	: Types of N	-		
_				
(Documents: Stu		pes of Numbers	•	
•	,	numbers including e	xponents decimals and p	percents. Compare numbers of different
types and form	nats using a numbe	r line. ation:35 min		
	Dura	30011 : 35 111111		
Activity 1.	1.2 : Checkup -	Practice Proble	ms	
(Documents: Che	. ,		1.12	
Complete a se		ns to hone your calcu ation : 25 min	lation skills.	
_				
-		es of Numbers		
Take a quiz to	•	tanding of the materi		Deinte Famed :
	Dura	ation: 20 min	Scoring: 20	Points Earned:
Activity 1.	1.4 : Quiz - Rat	ional and Irratio	onal Numbers	
Take a quiz to	•	tanding of the mater		
	Dura	ation: 20 min	Scoring: 20	Points Earned:
Lesson 1.2	: Variables	and Probler	n Solving	
Activity 1.	2.1 : Study - Va	riables and Pro	blem Solving	
(Documents: Stu	•			
Review what a		to form and use var ation: 35 min	iable expressions to solv	re problems.
-	-	Practice Proble	ms	
(Documents: Che		ns to hone your calcu	lation chills	
Complete a se		ation: 25 min	idtion skills.	
Activity 1.	2.3 : Quiz - Var	iable Expressio	าร	
Take a quiz to	check your underst	anding of what you h	ave learned.	
	Dura	ation: 20 min	Scoring: 20	Points Earned:
Activity 1.	2.4 : Quiz - Mat	hematical Sent	ences	
-	•	anding of what you h		
	Dura	ation: 20 min	Scoring: 20	Points Earned:

Lesson 1.3: Solving Mathematical Sentences

Activity 1.3.1 : Study	y - Solving Mathematica	I Sentences	
(Documents: Study Sheet)			
Use the guess-and-check m inequalities.	ethod to solve equations. Defin	e a solution set and	compare solution sets of equations and
	Duration: 35 min		
Activity 1.3.2 : Check (Documents: Checkup)	kup - Practice Problems	5	
Check your understanding of	of the lesson.		
	Duration: 25 min		
	- Solving Mathematical		
Take a quiz to check your u	nderstanding of what you have Duration : 20 min	Scoring: 20	Points Earned:
Lesson 1.4 : Some	Guidelines for Pro	blem-Solvi	ng
Activity 1.4.1 : Study (Documents: Study Sheet)	y - Some Guidelines for	Problem-Solvin	ng
	solve a word problem. Develop Duration: 35 min	a general strategy	for solving word problems.
Activity 1.4.2 : Quiz	- Some Guidelines for P	roblem-Solving	I
Take a quiz to check your u	nderstanding of what you have	learned.	
	Duration: 20 min	Scoring: 20	Points Earned:
Lesson 1.5 : Solvin	g with Addition a	nd Subtract	ion
(Documents: Study Sheet)	y - Solving with Addition ariable and solve simple equation		
	Duration: 35 min	·	
Activity 1.5.2 : Check (Documents: Checkup)	kup - Practice Problems	;	
Check your understanding of	of the lesson.		
	Duration: 25 min		
	- Solving Equations wit		Subtraction
Take a quiz to check your u	nderstanding of what you have		
	Duration: 20 min	Scoring: 20	Points Earned:
	 Solving Inequalities was not a solution of what you have 		d Subtraction
rake a quiz to effect your a	Duration : 20 min	Scoring : 20	Points Earned:
Lesson 1.6 : Solvin	g Equations with	Multiplication	on and Division
	/ - Solving Equations wi	ith Multiplicatio	n and Division
(Documents: Study Sheet)	antala and selve etc. 1	and with second 200	an an division
Review how to isolate the v	ariable and solve simple equation : 35 min	ons with multiplication	on or division.
Activity 1.6.2 : Check	kup - Practice Problems	3	
(Documents: Checkup) Check your understanding of	of the lesson.		

Duration: 25 min

	-	 Solving Equations w understanding of what you ha 	-	n	
rane a q	and to effect your	Duration : 20 min	Scoring : 20	Points Earned:	
		z - Solving Equations w			
Take a q	uiz to check your	understanding of what you ha Duration : 20 min	ve learned. Scoring: 20	Points Earned :	
Lesson 1	L.7 : Solvii	ng Inequalities w	ith Multiplica	ation and Division	
	ty 1.7.1 : Stud s: Study Sheet)	ly - Solving Inequalitie	s with Multiplica	tion and Division	
•		variable and solve simple ineq Duration: 35 min	ualities with multiplica	ation or division.	
(Documents	_	ckup - Practice Problem	ns		
Check yo	our understanding	Duration : 25 min			
		z - Solving Inequalities understanding of what you ha		ion and Division	
7 - 7		Duration : 20 min	Scoring: 20	Points Earned:	
Lesson 1	L.8 : Solvii	ng with Roots and	d Powers		
	t y 1.8.1 : Stuc s: Study Sheet)	ly - Solving with Roots	and Powers		
Learn ho	ow to solve equation	ons with roots and powers. Duration: 35 min			
Activit (Documents	-	ckup - Practice Problen	ns		
Check yo	our understanding	of the lesson. Duration: 25 min			
	-	z - Solving with Roots a			
Take a q	uiz to check your	understanding of what you ha Duration: 20 min	ve learned. Scoring: 20	Points Earned:	
Activit	by 1 8 / + Ouis	z - Solving Inequalities	with Poots and	Dowers	
	-	understanding of what you ha		rowers	
		Duration: 20 min	Scoring: 20	Points Earned:	
		z - Finding Solution Set		ies	
Take a q	uiz to check your	understanding of what you ha Duration : 20 min	ve learned. Scoring: 20	Points Earned :	
Lesson 1	L.9 : Solvii	ng Multistep Line	ar Equations	}	
Activit	ty 1.9.1 : Stud	ly - Solving Multistep L	inear Equations		
•		olating variables in multistep e	quations. Explore equ	ations that have zero one or infinite	9
		Duration: 35 min			

http://courses.apexlearning.com/apps/AceWeb/launch2.do?enrollmentID=29557107&role=T&outlineID=642652433

(Documents: Checkup) Check your understanding of the lesson.
Activity 1.9.3 : Quiz - Basic Collecting of Like Terms Take a quiz to check your understanding of what you have learned. Duration : 20 min Scoring : 20 Points Earned : Activity 1.9.4 : Quiz - Advanced Collecting of Like Terms Take a quiz to check your understanding of what you have learned. Duration : 20 min Scoring : 20 Points Earned : Activity 1.9.5 : Quiz - Finding Number of Solution Sets Take a quiz to check your understanding of what you have learned. Duration : 20 min Scoring : 20 Points Earned : Activity 1.9.6 : Practice - Modeling: Multistep Linear Equations (Documents: Practice Assignment) Use tools to model and solve a real-world problem. Duration : 30 min Scoring : 20 Points Earned : Lesson 1.10 : Solving Literal Equations and Formulas Activity 1.10.1 : Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration : 35 min Activity 1.10.2 : Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration : 25 min Activity 1.10.3 : Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration : 20 min Scoring : 20 Points Earned : Duration : 20 min Scoring : 20 Points Earned :
Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.4: Quiz - Advanced Collecting of Like Terms Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.5: Quiz - Finding Number of Solution Sets Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.6: Practice - Modeling: Multistep Linear Equations (Documents: Practice Assignment) Use tools to model and solve a real-world problem. Duration: 30 min Scoring: 20 Points Earned: Lesson 1.10: Solving Literal Equations and Formulas Activity 1.10.1: Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.4: Quiz - Advanced Collecting of Like Terms Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.5: Quiz - Finding Number of Solution Sets Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.6: Practice - Modeling: Multistep Linear Equations (Documents: Practice Assignment) Use tools to model and solve a real-world problem. Duration: 30 min Scoring: 20 Points Earned: Activity 1.10.1: Study - Solving Literal Equations and Formulas Activity 1.10.1: Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.5: Quiz - Finding Number of Solution Sets Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.6: Practice - Modeling: Multistep Linear Equations (Documents: Practice Assignment) Use tools to model and solve a real-world problem. Duration: 30 min Scoring: 20 Points Earned: Activity 1.10.1: Study - Solving Literal Equations and Formulas Activity 1.10.1: Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.5: Quiz - Finding Number of Solution Sets Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.6: Practice - Modeling: Multistep Linear Equations (Documents: Practice Assignment) Use tools to model and solve a real-world problem. Duration: 30 min Scoring: 20 Points Earned: Lesson 1.10: Solving Literal Equations and Formulas Activity 1.10.1: Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Activity 1.9.5 : Quiz - Finding Number of Solution Sets Take a quiz to check your understanding of what you have learned. Duration : 20 min Scoring : 20 Points Earned : Activity 1.9.6 : Practice - Modeling: Multistep Linear Equations (Documents: Practice Assignment) Use tools to model and solve a real-world problem. Duration : 30 min Scoring : 20 Points Earned : Activity 1.10 : Solving Literal Equations and Formulas Activity 1.10.1 : Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration : 35 min Activity 1.10.2 : Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration : 25 min Activity 1.10.3 : Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration : 20 min Scoring : 20 Points Earned :
Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 1.9.6: Practice - Modeling: Multistep Linear Equations (Documents: Practice Assignment) Use tools to model and solve a real-world problem. Duration: 30 min Scoring: 20 Points Earned: Activity 1.10: Solving Literal Equations and Formulas Activity 1.10.1: Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Duration: 20 min Scoring: 20 Points Earned:
Activity 1.9.6 : Practice - Modeling: Multistep Linear Equations (Documents: Practice Assignment) Use tools to model and solve a real-world problem. Duration: 30 min Scoring: 20 Points Earned: Lesson 1.10 : Solving Literal Equations and Formulas Activity 1.10.1 : Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2 : Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3 : Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
(Documents: Practice Assignment) Use tools to model and solve a real-world problem. Duration: 30 min Scoring: 20 Points Earned: Lesson 1.10: Solving Literal Equations and Formulas Activity 1.10.1: Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Duration: 30 min Scoring: 20 Points Earned: Lesson 1.10: Solving Literal Equations and Formulas Activity 1.10.1: Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Lesson 1.10: Solving Literal Equations and Formulas Activity 1.10.1: Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Activity 1.10.1: Study - Solving Literal Equations and Formulas (Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
(Documents: Study Sheet) Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Learn how to solve literal equations for one variable. Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Duration: 35 min Activity 1.10.2: Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Activity 1.10.2 : Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration : 25 min Activity 1.10.3 : Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration : 20 min Scoring : 20 Points Earned :
(Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Check your understanding of the lesson. Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Duration: 25 min Activity 1.10.3: Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Activity 1.10.3 : Quiz - Solving Literal Equations and Formulas Take a quiz to check your understanding of what you have learned. Duration : 20 min Scoring : 20 Points Earned :
Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Duration: 20 min Scoring: 20 Points Earned:
Activity 1 10 4 - Journal - Solving Literal Equations and Formulas
Activity 1 10 /L Journal - Solving Literal Equations and Formulas
(Documents: Journal)
Construct arguments and critique the reasoning of others as you write about topics in algebra.
Duration: 30 min Scoring: 20 Points Earned: (optional
Lesson 1.11: Performance Task: Problem Solving with Equations
Activity 1.11.1 : Study - Problem Solving with Equations
(Documents: Study Sheet)
Learn strategies for solving a variety of application problems related to topics in this unit. Duration: 35 min
Lesson 1.12 : Solving Basic Equations Wrap-Up
Lesson 1.12 : Solving Basic Equations Wrap-Up Activity 1.12.1 : Checkup - Solving Basic Equations Practice Problems

Activity 1.12.2 : Review - Solving Basic Equations (Documents: Review) Get ready for the unit test by reviewing important ideas and skills. Duration: 30 min Activity 1.12.3 : Test (CST) - Solving Basic Equations Take a computer-scored test to check what you have learned in this unit. Duration: 40 min Scorina: 50 Points Earned: Activity 1.12.4 : Test (TST) - Solving Basic Equations Take a teacher-scored test to check what you have learned in this unit. Duration: 30 min Scoring: 50 Points Earned: ____ (optional) Unit 2: Measurement **Lesson 2.1: Converting Units** Activity 2.1.1 : Study - Converting Units (Documents: Study Sheet) Learn how to use a special case of multiplication by 1 to cancel out units and change one unit of measurement to another. Duration: 35 min Activity 2.1.2 : Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 2.1.3 : Quiz - Canceling Units Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 2.1.4 : Quiz - Converting Units Take a guiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 2.1.5 : Journal - Converting Units (Documents: Journal) Construct arguments and critique the reasoning of others as you write about topics in algebra. Duration: 30 min Points Earned: In Progress (optional) Scoring: 20 Lesson 2.2: Estimation and Scale Activity 2.2.1 : Study - Estimation and Scale (Documents: Study Sheet) Learn about the scale of numbers order of magnitude powers of 10 and Fermi problems. Duration: 35 min Activity 2.2.2 : Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 2.2.3 : Quiz - Estimation and Scale Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:

Lesson 2.3: Precision in Measurement
Activity 2.3.1 : Study - Precision in Measurement (Documents: Study Sheet)
Explore the ideas of precision and accuracy in measurement. Define locate and practice using significant figures in addition subtraction multiplication and division problems.
Duration: 35 min
Activity 2.3.2 : Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration : 25 min
Lesson 2.4 : Measurement Wrap-Up
Activity 2.4.1 : Checkup - Measurement Practice Problems (Documents: Checkup) Check your understanding of the topics in this unit.
Duration: 25 min
Activity 2.4.2 : Review - Measurement (Documents: Review)
Get ready for the unit test by reviewing important ideas and skills. Duration: 30 min
Activity 2.4.3 : Test (CST) - Measurement Take a computer-scored test to check what you have learned in this unit.
Duration: 40 min Scoring: 50 Points Earned:
Activity 2.4.4 : Test (TST) - Measurement Take a teacher-scored test to check what you have learned in this unit. Duration: 30 min Scoring: 50 Points Earned: (optional)
Jnit 3 : Functions
Lesson 3.1: When One Thing Depends on Another
Activity 3.1.1 : Study - When One Thing Depends on Another
(Documents: Study Sheet) Learn the definition of a function and explore examples of functions in the world around you. Duration: 35 min
Activity 3.1.2 : Checkup - Practice Problems (Documents: Checkup)
Check your understanding of the lesson. Duration: 25 min
Activity 3.1.3 : Quiz - When One Thing Depends on Another Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned:
Lesson 3.2 : Function Notation
Activity 3.2.1 : Study - Function Notation
(Documents: Study Sheet) Use variables to name functions and learn about a special type of language called function notation.

Duration: 35 min

Activity 3.2.2 : 0	Checkup - Practice Proble	ms		
(Documents: Checkup)				
Check your understan				
	Duration: 25 min			
☐ Activity 3.2.3 : (Quiz - Translating to Func	tion Notation		
Take a quiz to check y	our understanding of what you ha	ave learned.		
	Duration: 20 min	Scoring: 20	Points Earned:	
•	Quiz - Function Notation for	•	nts	
	Duration: 20 min	Scoring: 20	Points Earned :	
-	Quiz - Naming Functions			
Take a quiz to check y	our understanding of what you hat Duration: 20 min	Scoring: 20	Points Earned :	
	Duration . 20 min	Scoring . 20	Politis Larried	
Lesson 3.3 : Inp	out-Output Machine	es		
Activity 3.3.1 : 9	Study - Input-Output Mac	hines		
(Documents: Study Shee				
Learn how to describe	functions by their domain and rai Duration: 35 min	nge. Work with input-o	output diagrams.	
Activity 3.3.2 : ((Documents: Checkup)	Checkup - Practice Proble	ms		
Check your understan	ding of the lesson.			
	Duration: 25 min			
Activity 3.3.3 : 0	Quiz - Using Functions			
-	our understanding of what you ha	ave learned.		
,	Duration: 20 min	Scoring: 20	Points Earned :	
Lesson 2.4 : Do	main and Dange			
_	main and Range			
Activity 3.4.1 : S (Documents: Study Shee	Study - Domain and Range			
	diagrams locating domain and rar	nge on mapping diagra	m and estimating the domain	and range
	Duration: 35 min			
	Checkup - Practice Proble	ms		
(Documents: Checkup) Check your understan	ding of the lesson			
check your understan	Duration: 25 min			
	Quiz - Domain and Range			
Take a quiz to check y	our understanding of what you ha		55	
	Duration: 20 min	Scoring: 20	Points Earned:	
Activity 3.4.4 : J	ournal - Domain and Ran	ge		
(Documents: Journal)				
Construct arguments	and critique the reasoning of othe			ation 15
	Duration: 30 min	Scoring: 20	Points Earned: (op	itional)

Lesson 3.5: Functions and Tables

Activity 3.5.1 : Study	y - Functions and Tables	S	
(Documents: Study Sheet)			
Learn to use input-output to	ables to describe and define fur	nctions.	
	Duration: 35 min		
Activity 3.5.2 : Check (Documents: Checkup)	kup - Practice Problems	5	
Check your understanding of	of the lesson.		
	Duration: 25 min		
Activity 3.5.3 : Quiz Take a quiz to check your u	- Functions and Tables nderstanding of what you have Duration: 20 min	learned. Scoring: 20	Points Earned:
Lesson 3.6 : Functi	ons and Graphs		
	y - Functions and Graph	ıs	
(Documents: Study Sheet)			
Learn to identify the domain line test to evaluate function		ordered pairs and th	e graph of a function. Use the vertical
	Duration: 35 min		
Activity 3.6.2 : Check (Documents: Checkup)	kup - Practice Problems	5	
Check your understanding of	of the lesson.		
	Duration: 25 min		
Activity 3.6.3 : Ouiz	- Graphs Domain and R	ange	
	nderstanding of what you have		
,	Duration: 20 min	Scoring: 20	Points Earned:
Activity 3.6.4 : Quiz	- Functions and Relatio	ns	
	nderstanding of what you have		
	Duration: 20 min	Scoring: 20	Points Earned:
Lesson 3.7 : Linear	and Nonlinear Fu	ınctions	
Activity 3.7.1 : Study	y - Linear and Nonlinea	r Functions	
(Documents: Study Sheet)	•		
Learn about linear and nonl	inear functions.		
	Duration: 35 min		
Activity 3.7.2 : Check (Documents: Checkup)	kup - Practice Problems	•	
Check your understanding of	of the lesson.		
	Duration: 25 min		
Activity 3.7.3 : Quiz	- Linear and Nonlinear	Functions	
Take a quiz to check your u	nderstanding of what you have	learned.	
	Duration: 20 min	Scoring: 20	Points Earned:
Lesson 3.8 : Linear	and Exponential	Growth	
Activity 3.8.1 : Study	y - Linear and Exponent	ial Growth	
(Documents: Study Sheet) Learn to identify the graphs explore special functions.	of linear and nonlinear functio	ns use the horizonta	l line test to evaluate functions and

http://courses.apexlearning.com/apps/AceWeb/launch2.do?enrollmentID=29557107&role=T&outlineID=642652433

Duration: 35 min

Activity 3.8.2 : Checku (Documents: Checkup)	p - Practice Problems		
Check your understanding of t	che lesson. Duration: 25 min		
Activity 3.8.3 : Quiz - I Take a quiz to check your und	Linear and Exponential erstanding of what you have le		
	Duration: 20 min	Scoring: 20	Points Earned:
Activity 3.8.4 : Practice (Documents: Practice Assignment)	_	d Exponential	Growth
Use tools to model and solve a	a real-world problem. Duration: 30 min	Scoring: 20	Points Earned :
Lesson 3.9 : Function	ns and Formulas		
Activity 3.9.1 : Study - (Documents: Study Sheet)	· Functions and Formula	as	
	or formula to describe and def Duration: 35 min	ine functions.	
Activity 3.9.2 : Checku (Documents: Checkup)	p - Practice Problems		
Check your understanding of t	the lesson. Duration: 25 min		
	Functions and Formulas erstanding of what you have le		
	Duration: 20 min	Scoring : 20	Points Earned :
Activity 3.9.4 : Study - (Documents: Study Sheet)	· Solving the Profit Prob	olem	
Use what you know about fund problem.	ctions as well as information gi	ven in tables graph	s and formulas to solve a business
	Duration . 33 min		
Lesson 3.10 : Arithm	netic of Functions		
Activity 3.10.1 : Study (Documents: Study Sheet)			
	Itiply divide and compose funct Duration: 35 min	ions.	
Activity 3.10.2 : Check (Documents: Checkup)	cup - Lessons Learned		
	blems on the arithmetic of fund Duration: 25 min	ctions.	
Activity 3.10.3 : Quiz - Take a quiz to assess your und		Scoring: 20	Points Earned :
Lesson 3.11 : Function	ons Wrap-Up		
	cup - Functions Practice	Problems	

(Documents: Checkup) Check your understanding of the topics in this unit. Duration: 25 min Activity 3.11.2 : Review - Functions (Documents: Review) Get ready for the unit test by reviewing important ideas and skills. Duration: 30 min Activity 3.11.3 : Test (CST) - Functions Take a computer-scored test to check what you have learned in this unit. Duration: 40 min Scoring: 50 Points Earned: _____ Activity 3.11.4 : Test (TST) - Functions Take a teacher-scored test to check what you have learned in this unit. Duration: 30 min Scoring: 50 Points Earned: ____ (optional) **Unit 4: Linear Equations** Lesson 4.1: Patterns and Lines Activity 4.1.1 : Study - Patterns and Lines (Documents: Study Sheet) Learn about a type of relationship in functions called direct variation. Explore the connection between the equation of a line and points on its graph. Find the equation of a line by looking at the coordinates of its points. Graph a line using a chart of its solutions. Duration: 35 min Activity 4.1.2 : Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 4.1.3 : Quiz - Finding Equations of Lines as Solutions Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: ____ Lesson 4.2 : Slope Activity 4.2.1 : Study - Slope (Documents: Study Sheet) Learn how to find the slope of a line define rise and run and measure rates of change. Duration: 35 min Activity 4.2.2 : Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 4.2.3 : Quiz - Finding Slopes of Lines Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 4.2.4 : Quiz - Positive Negative and Undefined Slopes Take a guiz to check your understanding of what you have learned. Points Earned: ___ Duration: 20 min Scoring: 20

Activity 4.2.5 : Jour	nal - Slope			
(Documents: Journal) Construct arguments and	critique the reasoning of othe	rs as vou write about t	onics in algebra	
construct arguments and	Duration: 30 min	Scoring : 20	Points Earned :	(optional)
Lesson 4.3 : Slope	-Intercept Equat	ion of a Line		
•	ly - Slope-Intercept Ed	quation of a Line		
(Documents: Study Sheet)	y-intercept of a given line to	find its slone-intercen	t equation	
Learn to use slope and the	Duration: 35 min	ma to stope intercep	c equation.	
Activity 4.3.2 : Chec (Documents: Checkup)	ckup - Practice Problei	ms		
Check your understanding	of the lesson.			
	Duration: 25 min			
•	z - Finding Slope-Inter		f Lines	
Take a quiz to check your	understanding of what you had Duration: 20 min		Points Farned	
	Duration: 20 min	Scoring: 20	Points Earned:	
Activity 4.3.4 : Prac	tice - Modeling: Slope	-Intercept Equat	ion of a Line	
(Documents: Practice Assignments)				
Use tools to model and so	lve a real-world problem. Duration: 30 min	Cassina : 20	Dainta Farmad	
	Duration . 30 min	Scoring: 20	Points Earned:	
Lesson 4.4 : Point	-Slope Equation	of a Line		
Activity 4.4.1 : Stud	ly - Point-Slope Equati	on of a Line		
(Documents: Study Sheet)				
Learn how to find the <i>y</i> -integration of a line an	tercept of a line when given it d the standard form of an equ	s slope and another po uation.	oint on the line. Learn	about the point-
	Duration: 35 min			
Activity 4.4.2 : Che	ckup - Practice Problei	ms		
(Documents: Checkup)				
Check your understanding				
	Duration: 25 min			
Activity 4.4.3 : Quiz	- Finding the Point-Sl	ope Equation		
	understanding of what you ha			
	Duration: 20 min	Scoring: 20	Points Earned :	
Activity 4.4.4 : Ouiz	z - Finding the Equation	ns of Lines		
•	understanding of what you ha			
	Duration: 20 min	Scoring: 20	Points Earned:	
Lesson 4.5 : Paral	lel and Perpendic	cular Lines		
Activity 4.5.1 : Stud	ly - Parallel and Perpe	ndicular Lines		
(Documents: Study Sheet)				
Learn about parallel and p	erpendicular lines and the rela	ationships between the	eir slopes.	
	Duration: 35 min			
Activity 4.5.2 : Che	ckup - Practice Problei	ms		
(Documents: Checkup)				
Check your understanding	of the lesson.			

http://courses.apexlearning.com/apps/AceWeb/launch2.do?enrollmentID=29557107&role=T&outlineID=642652433

Duration: 25 min

,	uiz - Slopes of Parallel a	•	Lines
Take a quiz to check yo	our understanding of what you h		
	Duration: 20 min	Scoring: 20	Points Earned:
Lesson 4.6 : Line	ear Inequalities		
•	tudy - Linear Inequalitie	s	
(Documents: Study Sheet	•		
Learn now to find and g	graph solution sets for linear ine Duration: 35 min	quanties.	
_	heckup - Practice Proble	ms	
(Documents: Checkup)	r cul l		
Check your understand	Duration: 25 min		
Activity 4.6.3 : Q	uiz - Graphs of Inequalit	ies	
Take a quiz to check yo	our understanding of what you h	ave learned.	
	Duration: 20 min	Scoring: 20	Points Earned:
-	tudy - Solving the Lightin	ng Problem	
(Documents: Study Sheet	•	ld problem about the b	est use of energy to light a building.
Ecam now to use inited.	Duration : 35 min	a problem about the b	est use of energy to light a ballanig.
Lesson 4.7 : Line	ear Equations Wra	p-Up	
Activity 4.7.1 : Cl (Documents: Checkup)	heckup - Linear Equatior	ns Practice Proble	ems
Check your understand	ling of the topics in this unit.		
	Duration: 25 min		
Activity 4.7.2 : Ro	eview - Linear Equations	•	
,	est by reviewing important ideas	s and skills.	
	Duration: 30 min		
Mari 11 470 T	! (CCT) !		
	est (CST) - Linear Equati		
rake a computer-score	d test to check what you have le	Scoring: 50	Points Earned:
Activity 4.7.4 : To	est (TST) - Linear Equati	ons	
Take a teacher-scored	test to check what you have lear		
	Duration: 30 min	Scoring: 50	Points Earned: (optional)
Unit 5 : Systems	of Linear Equat	ions	
Lesson 5.1 : Two	o-Variable Systems	s: Graphing	
Activity 5.1.1 : St	tudy - Two-Variable Syst	ems: Graphing	
(Documents: Study Sheet		. 5	
	ning to solve two-variable systen	ns of linear equations.	Explore what it means to have zero one
	Duration: 35 min		

Activity 5.1.2 : Check (Documents: Checkup)	up - Practice Problems	•		
Check your understanding o	f the lesson.			
	Duration : 25 min			
Activity 5.1.3 : Quiz -	Solving with Graphing			
rake a quiz to check your ur	Duration: 20 min	Scoring : 20	Points Earned :	
Lesson 5.2 : Two-V	ariable Systems:	Substitution	n	
Activity 5.2.1 : Study	-			
(Documents: Study Sheet)				
Learn how to use substitutio	n to solve two-variable system Duration: 35 min	ns of linear equations	5.	
Activity 5.2.2 : Check (Documents: Checkup)	cup - Practice Problems	5		
Check your understanding o	f the lesson.			
,	Duration: 25 min			
Activity 5.2.3 : Quiz -	Solving with Substitut	tion		
Take a quiz to check your ur	nderstanding of what you have		5	
	Duration: 20 min	Scoring: 20	Points Earned:	<u>—</u>
Lesson 5.3 : Two-V	ariable Systems:	Elimination		
Activity 5.3.1 : Study (Documents: Study Sheet)	- Two-Variable Systen	ns: Elimination		
Learn how to use elimination	n to solve two-variable systems Duration: 35 min	s of linear equations.		
Activity 5.3.2 : Check (Documents: Checkup)	cup - Practice Problems	5		
Check your understanding o	f the lesson. Duration: 25 min			
Activity 5.3.3 : Quiz -			Form	
Take a quiz to check your ur	nderstanding of what you have		Doints Formed	
	Duration: 20 min	Scoring: 20	Points Earned:	
Activity 5.3.4 : Quiz -	_		ard Form	
Take a quiz to check your ur	nderstanding of what you have Duration: 20 min	Scoring: 20	Points Earned:	
Activity 5.3.5 : Journ	al - Two-Variable Syste	ams: Fliminatio	n	
(Documents: Journal)				
Construct arguments and cri	tique the reasoning of others a Duration: 30 min	as you write about to Scoring: 20	opics in algebra. Points Earned:	(optional)
				_
Lesson 5.4 : Two-V	-			
Activity 5.4.1 : Study (Documents: Study Sheet)	- Two-Variable Systen	ns: Matrices		
Learn how to set up and use	a matrix to solve two-variable Duration: 35 min	e systems of linear e	quations.	

•	cup - Practice Problem	ıs	
(Documents: Checkup)			
Check your understanding o	of the lesson. Duration: 25 min		
Activity 5.4.3 : Quiz	Pooding and Using M	latricos	
,	nderstanding of what you have		
rake a quiz to check your u	Duration: 20 min	Scoring: 20	Points Earned:
	Daradon i Zo iiiii	500111g 1 20	1 cmts 2amed 1
Activity 5.4.4 : Quiz	- Solving with a Matrix	(
Take a quiz to check your u	nderstanding of what you hav	ve learned.	
	Duration: 20 min	Scoring: 20	Points Earned:
Lesson 5.5 : Two-V	ariable Systems	of Inequalit	ies
Activity 5.5.1 : Study	v - Two-Variable Syste	ms of Inequaliti	es
(Documents: Study Sheet)	•	•	
	o solve two-variable systems olve a real-world farming prob		Use what you know about solving
	Duration: 35 min		
Activity 5.5.2 : Check	cup - Practice Problem	ıs	
(Documents: Checkup)			
Check your understanding of	of the lesson. Duration: 25 min		
	Duration: 25 min		
Activity 5.5.3 : Quiz	- Solving Systems of I		
rake a quiz to check your a	Duration: 20 min	Scoring : 20	Points Earned:
,	- Solving Systems witl		o Inequalities
Take a quiz to check your u	nderstanding of what you hav		
	Duration: 20 min	Scoring: 20	Points Earned:
Activity 5.5.5 : Pract	ice - Modeling: Solving	Systems with I	More Than Two Inequalities
(Documents: Practice Assignments)		,	
Use tools to model and solv	e a real-world problem.		
	Duration: 30 min	Scoring: 20	Points Earned: (optional)
Lesson 5.6 : System	ns of Linear Equa	ations Wrap	·Up
Activity 5.6.1 : Checl	un - Systems of Lines	r Fauations Pra	ctice Problems
(Documents: Checkup)	tup - Systems of Linea	ii Equations Fra	ctice Problems
Check your understanding of	of the tonics in this unit		
check your understanding o	Duration: 25 min		
_			
Activity 5.6.2 : Revie	w - Systems of Linear	Equations	
(Documents: Review)			
Get ready for the unit test b	y reviewing important ideas a Duration: 30 min	and skills.	
Activity 5.6.3 : Test		-	
Take a computer-scored tes	t to check what you have lead		5 ·
	Duration: 40 min	Scoring: 50	Points Earned:
Activity 5.6.4 : Test	(TST) - Systems of Lin	ear Equations	

Take a teacher-scored test to check what you have learned in this unit.

Duration: 30 min Scoring: 50 Points Earned: _____ (optional)

Unit 6: Exponents and Exponential Functions

Lesson 6.1: Exponents Activity 6.1.1 : Study - Exponents (Documents: Study Sheet) Review exponents and their place in the order of operations. Learn ways to evaluate exponential expressions. Learn about fractional and decimal exponents radical notation square roots and scientific notation. Duration: 35 min Activity 6.1.2 : Checkup - Practice Problems (Documents: Checkup) Check your understanding of the lesson. Duration: 25 min Activity 6.1.3 : Quiz - Exponential Expressions Take a quiz to check your understanding of what you have learned. Duration: 20 min Scorina: 20 Points Earned: Activity 6.1.4 : Quiz - Operations with Radicals Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: ___ **Lesson 6.2: Exponential Functions** Activity 6.2.1 : Study - Exponential Functions (Documents: Study Sheet) Define the standard form of an exponential function and explore a variety of its applications such as exponential growth and decay (in the forms of doubling time and half-life) as well as compound interest. Compare compound interest to continuously compounded interest using the irrational number e. Duration: 35 min Activity 6.2.2 : Checkup - Practice Problems (Documents: Checkup) Complete a set of practice problems to check your understanding of the lesson. Duration: 25 min Activity 6.2.3 : Quiz - Evaluating Exponential Functions Take a quiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Activity 6.2.4 : Quiz - Calculating Exponential Growth Take a guiz to check your understanding of what you have learned. Duration: 20 min Scoring: 20 Points Earned: Lesson 6.3: Examples and Applications of Exponential Functions Activity 6.3.1 : Study - Examples and Applications of Exponential Functions (Documents: Study Sheet) Explore case studies in exponential growth and decay and logarithmic growth. Duration: 35 min Activity 6.3.2 : Practice - Modeling: Valuable Coins (Documents: Practice Assignment) Use tools to model and solve a real-world problem.

Duration: 30 min Scoring: 20 Points Earned: _____

Lesson 6.	4 : Graph	s of Exponential I	unctions		
(Documents:	Study Sheet)	y - Graphs of Exponential functions		nd about finding the d	omain and range
of exponen	itial functions.	Duration: 35 min			
Activity	6 4 2 : Check	kup - Practice Problems	s		
(Documents:	Checkup)	problems to check your unders		١.	
		 Graphs of Exponentian nderstanding of what you have 			
		Duration: 20 min	Scoring: 20	Points Earned :	
(Documents:	Journal)	nal - Graphs of Exponer		onics in algebra	
Construct	arguments and ci	Duration: 30 min	Scoring: 20	Points Earned:	(optional)
Lesson 6.	5 : Expon	ents and Exponer	ntial Functio	ns Wran-Un	
(Documents:	Checkup)	of the topics in this unit. Duration: 25 min	oponential Func	tions Practice Pr	oblems
(Documents:	Review)	by reviewing important ideas a Duration: 30 min		ons	
		(CST) - Exponents and		nctions	
таке а соп	nputer-scored tes	t to check what you have learn Duration: 40 min	Scoring: 50	Points Earned :	
		(TST) - Exponents and to check what you have learne		nctions	
		Duration: 30 min	Scoring: 50	Points Earned:	(optional)
	•	Semester 1 Exa			
Lesson 7.	1 : Algebr	a I Semester 1 E	xam		
_		ew - Algebra I Semeste by reviewing key concepts and Duration : 20 min			
		ar - Algebra I Semester :		kills covered in Algebr	a I Semester 1.
		Duration: 50 min	Scoring: 200	Points Earned :	

Appendix B: Additional Activities

B.1 : Extra Credit

Scoring: 15 Points Earned: