|   | y curriculum map                                      |
|---|---|
| Subject: Algebra 1                          | Teacher: Mr. Jason Broughton                          |
| Grade:9 <sup>th</sup>                       | Duration: December                                    |
| Unit5                                       |   |
| Module 11 lessons 11.1.11.2.11.3.11.4       |   |
| Module 12 lessons 12 1 12 2 12 3            |   |
| Module 12 lessons 12.1,12.2,12.3            |   |
| Module 13 lessons 13.1,13.2,13.3,13.4       |   |
| Summary of unit:                            |   |
| students will complete a Math in Careers    | task by writing and solving a system of linear        |
| equations based on a personal shopper's v   | vork. Critical skills include representing real-world |
| situations as algebraic equations and solvi | ng systems of linear equations.                       |
|   |   |
| Stage 1 -                                   | Desired Results                                       |
| Standards:                                  | Essential Ouestions:                                  |
|   |   |
| A-RELC 6 Solve systems of linear            | How can you find the solution of a system of          |
| aquations approximately (a g with           | linear equations by graphing?                         |
| equations approximately (e.g., with         | initial equations by graphing:                        |
| graphs)                                     |   |
|   | How can you solve a system of linear equations        |
| A-REI.C.6 Solve systems of linear           | by using substitution?                                |
| equations exactly focusing on pairs of      |   |
| linear equations in two variables.          | How can you solve a system of linear equations        |
|   | by adding and subtracting?                            |
| A-REI.C.5 Prove that replacing one          | ,               |
| equation by the sum of that equation and    | How do you use systems of linear equations to         |
| a multiple of the other produces a          | model and solve real-world problems?                  |
| system with the same solutions              | niouer and solve rear world problems.                 |
| system with the same solutions              | How do you colve a system of linear inequalities?     |
| A CED A 2 Democrat constructions have       | now do you solve a system of inteal inequalities:     |
| A-CED.A.3 Represent constraints by          |   |
| systems of equations and interpret          | How can you use systems of linear equations or        |
| solutions as viable or nonviable options    | inequalities to model and solve contextual            |
| in a modeling context.                      | problems?   |
|   |   |
| A-REI.D.12graph the solution set to a       | How are piecewise-defined functions different         |
| system of linear inequalities in two        | from other functions?                                 |
| variables as the intersection of the        |   |
| corresponding half-planes.                  | What are the effects of parameter changes on the      |
|   | graph of $y = a   x - h   + k^2$                      |
| F-IF C 7h Graph square root, cube root      |   |
| and piecewice defined functions             |   |
| and piecewise-defined functions,            |   |
| including step functions and absolute       |   |
| value functions.                            | How can you solve an absolute value equation?         |
|   |   |
|   | What are two ways to solve an absolute value          |
| A.REI.B.3 Solve linear equations in one     | inequality?   |
| variable Also                               |   |
|   |   |

| Language objective          | Mathematical practices | Integrate mathematical practice        |
|-----------------------------|------------------------|--|
|                             |                        | MP.5, which calls for students to      |
| Use graphs to explain the   | MP.5 Using Tools       | "use tools." To get a correct          |
| difference between          |                        | solution by graphing, students         |
| systems of equations that   | MP.6 Precision         | must use graph paper and a             |
| are inconsistent,           |                        | straightedge to accurately draw        |
| consistent and dependent,   |                        | both lines in the system. Using a      |
| and consistent and          | MP.2 Reasoning         | hand-drawn grid or trying to graph     |
| independent                 |                        | the lines without a guide to make      |
| *                           |                        | them straight will lead to errors.     |
| Explain to a partner how    | MP.4 Modeling          | Students can also use a graphing       |
| to solve a system of linear | C                      | calculator to solve systems by         |
| equations by substitution.  |                        | graphing.                              |
| 1 2                         |                        |  |
| Explain to a partner what   |                        | MP.6, which asks students to           |
| eliminating a variable in a |                        | "attend to precision." In this lesson, |
| system of linear equations  |                        | students need to pay close             |
| means.                      |                        | attention to the domains used for      |
|                             |                        | piecewise functions in order to        |
| Explain to a partner how    |                        | graph the functions accurately. In     |
| you know when to solve a    |                        | addition, students must construct      |
| system of linear equations  |                        | graphs carefully to make sure the      |
| by multiplying first.       |                        | graphs accurately represent the        |
| Describe a real-world       |                        | data.                                  |
| situation that can be       |                        |  |
| modeled by a system of      |                        | MP.2 Ask students how to               |
| two linear equations, and   |                        | determine whether each equation        |
| then write the equations.   |                        | in a system must be multiplied by a    |
| -                           |                        | different constant in order to solve   |
| Explain to a partner how    |                        | by elimination. Students should        |
| to determine whether a      |                        | understand that the first step is to   |
| point is a solution to a    |                        | check whether the coefficient of a     |
| system of inequalities.     |                        | variable in one equation is a          |
|                             |                        | multiple of the coefficient of the     |
| Describe a real-world       |                        | same variable in the other             |
| situation that can be       |                        | equation. If not, they must multiply   |
| modeled by a system of      |                        | each equation by a different           |
| two linear inequalities,    |                        | constant. The constants must be        |
| and then write the          |                        | chosen so that in the two resulting    |
| inequalities.               |                        | equations, the coefficients for one    |
|                             |                        | variable are opposites or the same.    |
| Describe a real-world       |                        |  |
| situation that can be       |                        | MP.4, which calls for students to      |
| modeled by a piecewise      |                        | use "modeling." Students learn to      |
| function.                   |                        | graph systems of linear                |
|                             |                        | inequalities, including both           |
| Describe transformations    |                        | systems with intersecting              |
| of graphs, including        |                        | boundary lines and systems with        |

| stretches, and vertical also learn to interpret the graphs to determine which points are solutions or a variety of absolute value equations make sense and contain more than one solution, or no solution. Match absolute value equations and inequalities with their graphs, explaining and justifying reasoning. Stage 2 - Assessment Evidence Performance Tasks: Unit Pre-Assessment: Assign ready-made or customized practice tests to prepare students for high-stakes tests Unit Pre-Assessment solutions for high-stakes tests Giving students examples to be completed in class. Students taking notes and using notes to complete homework assignments. Students taking notes and using notes to complete homework assignments. Students taking notes and using notes to complete homework assignments. MODULE 11 Solving Linear Systems by Substitution Lesson 11.2 Solving Linear Systems by Multiplying First MODULE 12 Modeling with Linear Systems Lesson 12.2 Graphing Systems of Linear Equations Lesson 12.3 Modeling with Linear Systems Lesson 12.3 Modeling with Linear Systems  | translations, vertical  |                |               | parallel boundary lines. Students              |  |  |
|---|---|----------------|---------------|--|--|--|
| compressions or shrinks       to determine which points are solutions and which points are not solutions to a variety of absolute value equations make sense and contain more than one solution, or no solution.       solutions for a system of linear inequalities.         Match absolute value equations and inequalities with their graphs, explaining and justifying reasoning.       understand the system of the  | stretches, and vertical   |                |               | also learn to interpret the graphs             |  |  |
| Explain to a partner why<br>solutions to a variety of<br>absolute value equations<br>make sense and contain<br>more than one solution,<br>one solution.       Solutions for a system of linear<br>inequalities.         Match absolute value<br>equations and inequalities<br>with their graphs,<br>explaining and justifying<br>reasoning.       Stage 2 - Assessment Evidence         Performance Tasks:<br>Homework quizzes, worksheet, Tests.       Unit Pre-Assessment:<br>Assign ready-made or customized practice tests<br>to prepare students for high-stakes tests         Example 1       Stage 3 - Learning Plan         Learning Activities: procedures/topics<br>Reading and discussing lesson with class.<br>Giving students examples to be completed in class.<br>Students taking notes and using notes to complete homework assignments.         MODULE 11       Solving Linear Systems by Graphing<br>Lesson 11.2         Lesson 11.2       Solving Linear Systems by Multiplying First         MODULE 12       Modeling with Linear Systems<br>by Substitution<br>Lesson 12.2         Lesson 12.2       Craphing Systems of Linear Equations<br>Lesson 12.2         Lesson 12.2       Graphing Systems of Linear Equations<br>Lesson 12.2   | compressions or shrinks   |                |               | to determine which points are                  |  |  |
| Explain to a particer why       Solutions for a system of linear         solution to a variety of       inequalities.         absolute value equations       inequalities.         more than one solution, or no       solution.         Match absolute value       equalities         equations and inequalities       with their graphs,         with their graphs,       explaining and justifying         reasoning.       Stage 2 - Assessment Evidence         Performance Tasks:       Homework quizzes, worksheet, Tests.         Homework quizzes, worksheet, Tests.       Assign ready-made or customized practice tests to prepare students for high-stakes tests         Image: Stage 3 - Learning Plan       Learning Activities: procedures/topics         Reading and discussing lesson with class.       Giving students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.       Students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.       Solution         MODULE 11 Solving Linear Systems by Graphing       Lesson 11.1 Solving Linear Systems by Substitution         Lesson 11.1 Solving Linear Systems by Multiplying First       MODULE 12 Modeling with Linear Systems by Multiplying First         MODULE 12 Modeling with Linear Systems       Fluar Equations         Lesson 12.1 Creating Systems of Li  |   |                |               | solutions and which points are not             |  |  |
| Solutions to a variety of<br>absolute value equations<br>make sense and contain<br>more than one solution,<br>one solution.<br>Match absolute value<br>equations and inequalities<br>with their graphs,<br>explaining and justifying<br>reasoning.<br>Stage 2 - Assessment Evidence<br>Performance Tasks:<br>Homework quizzes, worksheet, Tests.<br>Homework quizzes, worksheet, Tests.<br>Stage 3 - Learning Plan<br>Learning Activities: procedures/topics<br>Reading and discussing lesson with class.<br>Students taking notes and using notes to complete din class.<br>Students taking notes and using notes to complete homework assignments.<br>Students taking notes and using notes to complete homework assignments.<br>Students taking notes and using notes to complete homework assignments.<br>Students taking notes and using notes to complete homework assignments.<br>Students taking notes and using notes to complete homework assignments.<br>Students taking notes and using notes to complete homework assignments.<br>Students taking notes and using notes to complete homework assignments.<br>Students taking Linear Systems by Graphing<br>Lesson 11.1 Solving Linear Systems by Substitution<br>Lesson 11.2 Solving Linear Systems by Substitution<br>Lesson 11.4 Solving Linear Systems by Multiplying First<br>MODULE 12 Modeling with Linear Systems<br>Lesson 12.2 Graphing Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Systems | Explain to a partner why  |                |               | solutions for a system of linear               |  |  |
| absolute value equations<br>make sense and contain<br>more than one solution,<br>one solution.       Match absolute value<br>equations and inequalities<br>with their graphs,<br>explaining and justifying<br>reasoning.         Stage 2 - Assessment Evidence         Performance Tasks:<br>Homework quizzes, worksheet, Tests.       Unit Pre-Assessment:<br>Assign ready-made or customized practice tests<br>to prepare students for high-stakes tests         Learning Activities: procedures/topics<br>Reading and discussing lesson with class.<br>Students taking notes and using notes to complete homework assignments.         MODULE 11 Solving Systems of Linear Equation<br>Lesson 11.1 Solving Linear Systems by Substitution<br>Lesson 11.2 Solving Linear Systems by Adding or Subtracting<br>Lesson 11.4 Solving Linear Systems by Multiplying First         MODULE 12 Modeling with Linear Systems<br>Lesson 12.2 Graphing Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Equations<br>Lesson 12.3 Modeling with Linear Systems   | solutions to a variety of   |                |               | inequalities.                                  |  |  |
| Index Setise and contain         more than one solution,<br>one solution.         Match absolute value<br>equations and inequalities<br>with their graphs,<br>explaining and justifying<br>reasoning.         Stage 2 - Assessment Evidence         Performance Tasks:         Homework quizzes, worksheet, Tests.         Vinit Pre-Assessment:         Assign ready-made or customized practice tests<br>to prepare students for high-stakes tests         Learning Activities: procedures/topics         Reading and discussing lesson with class.         Giving students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.         MODULE 11 Solving Linear Systems by Graphing<br>Lesson 11.1 Solving Linear Systems by Substitution<br>Lesson 11.2 Solving Linear Systems by Substitution<br>Lesson 11.4 Solving Linear Systems by Multiplying First         MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Systems<br>by Adding or Subtracting<br>Lesson 12.2 Graphing Systems of Linear Systems<br>by Multiplying First   | make sonse and contain  |                |               |  |  |  |
| Indic tills of the solution, or no         solution.         Match absolute value         equations and inequalities         with their graphs,         explaining and justifying         reasoning.         Stage 2 - Assessment Evidence         Performance Tasks:         Homework quizzes, worksheet, Tests.         Unit Pre-Assessment:         Assign ready-made or customized practice tests to prepare students for high-stakes tests         to prepare students for high-stakes tests         Stage 3 - Learning Plan         Learning Activities: procedures/topics         Reading and discussing lesson with class.         Giving students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.         Lesson Description         MODULE 11 Solving Systems of Linear Equation         Lesson 11.1 Solving Linear Systems by Graphing         Lesson 11.2 Solving Linear Systems by Substitution         Lesson 11.4 Solving Linear Systems by Multiplying First         MODULE 12 Modeling with Linear Systems         Lesson 12.2 Graphing Systems of Linear Equations         Lesson 12.2 Graphing Systems of Linear Equations         Lesson 12.2 Graphing Systems of Linear Equations         Lesson 12.2 Graphing with Linear Systems  | more than one solution  |                |               |  |  |  |
| Solution, Match absolute value         equations and inequalities         with their graphs,         explaining and justifying         reasoning.         Stage 2 - Assessment Evidence         Performance Tasks:         Homework quizzes, worksheet, Tests.         Match absolute value         Unit Pre-Assessment:         Assign ready-made or customized practice tests to prepare students for high-stakes tests         Image: Stage 3 - Learning Plan         Learning Activities: procedures/topics         Reading and discussing lesson with class.         Giving students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.         Lesson Description         MODULE 11 Solving Systems of Linear Equation         Lesson 11.1 Solving Linear Systems by Graphing         Lesson 11.2 Solving Linear Systems by Multiplying First         MODULE 12 Modeling with Linear Systems         Lesson 12.1 Creating Systems of Linear Equations         Lesson 12.2 Graphing Systems of Linear Inequalities         Lesson 12.3 Modeling with Linear Systems  | one solution or no  |                |               |  |  |  |
| Match absolute value<br>equations and inequalities<br>with their graphs,<br>explaining and justifying<br>reasoning.       Stage 2 - Assessment Evidence         Performance Tasks:<br>Homework quizzes, worksheet, Tests.       Unit Pre-Assessment:<br>Assign ready-made or customized practice tests<br>to prepare students for high-stakes tests         Image: Stage 3 - Learning Plan         Learning Activities: procedures/topics<br>Reading and discussing lesson with class.<br>Giving students examples to be completed in class.<br>Students taking notes and using notes to complete homework assignments.         MODULE 11       Solving Linear Systems of Linear Equation<br>Lesson 11.1         Lesson 11.2       Solving Linear Systems by Graphing<br>Lesson 11.3         Lesson 11.3       Solving Linear Systems by Guaphing<br>Lesson 11.4         Lesson 11.4       Solving Linear Systems by Multiplying First         MODULE 12       Modeling with Linear Systems<br>Lesson 12.2         Lesson 12.2       Graphing Systems of Linear Equations<br>Lesson 12.3         Lesson 11.3       Solving Linear Systems by Multiplying First  | solution.   |                |               |  |  |  |
| Match absolute value       equations and inequalities         with their graphs,       explaining and justifying         reasoning.       Stage 2 - Assessment Evidence         Performance Tasks:       Unit Pre-Assessment:         Homework quizzes, worksheet, Tests.       Vint Pre-Assessment:         Assign ready-made or customized practice tests to prepare students for high-stakes tests         Image: team of the stage   |   |                |               |  |  |  |
| equations and inequalities<br>with their graphs,<br>explaining and justifying<br>reasoning.<br>Stage 2 - Assessment Evidence<br>Performance Tasks:<br>Homework quizzes, worksheet, Tests.<br>Homework quizzes, worksheet, Tests.<br>Homework quizzes, worksheet, Tests.<br>Stage 3 - Learning Plan<br>Learning Activities: procedures/topics<br>Reading and discussing lesson with class.<br>Giving students examples to be completed in class.<br>Students taking notes and using notes to complete homework assignments.<br>Students taking notes and using notes to complete homework assignments.<br>MODULE 11 Solving Systems of Linear Equation<br>Lesson 11.2 Solving Linear Systems by Graphing<br>Lesson 11.3 Solving Linear Systems by Multiplying First<br>MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Inequalities<br>Lesson 12.2 Graphing Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems<br>Lesson 12.3 Modeling with Linear Systems  | Match absolute value  |                |               |  |  |  |
| with their graphs,<br>explaining and justifying<br>reasoning.  Stage 2 - Assessment Evidence  Performance Tasks: Homework quizzes, worksheet, Tests. Unit Pre-Assessment: Assign ready-made or customized practice tests<br>to prepare students for high-stakes tests  Stop repare students for high-stakes tests  Stage 3 - Learning Plan Learning Activities: procedures/topics Reading and discussing lesson with class. Giving students examples to be completed in class. Students taking notes and using notes to complete homework assignments.  MODULE 11 Solving Systems of Linear Equation Lesson 11.3 Solving Linear Systems by Graphing Lesson 11.3 Solving Linear Systems by Multiplying First  MODULE 12 Modeling with Linear Systems Lesson 12.1 Creating Systems of Linear Inequalities Lesson 12.3 Modeling with Linear Systems Lesson 12.3 Modeling with Linear Systems   | equations and inequalities  |                |               |  |  |  |
| explaining and justifying       Stage 2 - Assessment Evidence         Performance Tasks:       Unit Pre-Assessment:         Homework quizzes, worksheet, Tests.       Assign ready-made or customized practice tests to prepare students for high-stakes tests         Stage 3 - Learning Plan       Stage 3 - Learning Plan         Learning Activities: procedures/topics       Reading and discussing lesson with class.         Giving students examples to be completed in class.       Students taking notes and using notes to complete homework assignments.         MODULE 11 Solving Systems of Linear Equation       Lesson Description         MODULE 11 Solving Linear Systems by Graphing       Lesson 11.3 Solving Linear Systems by Substitution         Lesson 11.4 Solving Linear Systems by Multiplying First       MODULE 12 Modeling with Linear Systems         MODULE 12 Modeling with Linear Systems       Lesson 12.2 Graphing Systems of Linear Equations         Lesson 12.3 Modeling with Linear Systems       Lesson 12.3 Modeling with Linear Systems   | with their graphs,  |                |               |  |  |  |
| reasoning.       Stage 2 - Assessment Evidence         Performance Tasks:       Unit Pre-Assessment:         Homework quizzes, worksheet, Tests.       Unit Pre-Assessment:         Assign ready-made or customized practice tests to prepare students for high-stakes tests       Imit Pre-Assessment:         Image: Stage 3 - Learning Plan       Imit Pre-Assessment Evidence         Learning Activities: procedures/topics       Imit Pre-Assessment Evidence         Reading and discussing lesson with class.       Giving students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.       Imit Pre-Assessing Plan         MODULE 11 Solving Systems of Linear Equation       Lesson 11.1 Solving Linear Systems by Graphing         Lesson 11.2 Solving Linear Systems by Substitution       Lesson 11.3 Solving Linear Systems by Adding or Subtracting         Lesson 11.4 Solving Linear Systems by Multiplying First       MODULE 12 Modeling with Linear Systems         Lesson 12.2 Graphing Systems of Linear Equations       Lesson 12.2 Graphing Systems of Linear Inequalities         Lesson 12.3 Modeling with Linear Systems       Lesson 12.3 Modeling with Linear Systems   | explaining and justifying   |                |               |  |  |  |
| Stage 2 - Assessment Evidence         Performance Tasks:       Unit Pre-Assessment:         Homework quizzes, worksheet, Tests.       Viii Pre-Assessment:         Assign ready-made or customized practice tests to prepare students for high-stakes tests       Image: Stage 3 - Learning Plan         Learning Activities: procedures/topics       Reading and discussing lesson with class.         Giving students examples to be completed in class.       Giving students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.       MODULE 11 Solving Systems of Linear Equation         Lesson 11.1 Solving Linear Systems by Graphing       Lesson 11.2 Solving Linear Systems by Adding or Subtracting         Lesson 11.4 Solving Linear Systems by Multiplying First       MODULE 12 Modeling with Linear Systems         MODULE 12 Modeling with Linear Systems       Lesson 12.2 Graphing Systems of Linear Equations         Lesson 12.2 Graphing Systems of Linear Equations       Lesson 12.3 Modeling with Linear Systems  | reasoning.  |                |               |  |  |  |
| Perrormance Lasks:       Unit Pre-Assessment:         Homework quizzes, worksheet, Tests.       Assign ready-made or customized practice tests to prepare students for high-stakes tests         Image: Complexity of the state of th   | Stage 2 – Assessment Evidence   |                |               |  |  |  |
| Homework quizzes, worksheet, Tests.       Assign ready-made or customized practice tests to prepare students for high-stakes tests         Image: the state of t  | Performance Tasks:  | oot Tooto      | Unit Pre-Asse | essment:                                       |  |  |
| It of prepare students for high-stakes tests         It of prepare students for high-stakes tests         Stage 3 - Learning Plan         Learning Activities: procedures/topics         Reading and discussing lesson with class.         Giving students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.         Lesson Description         MODULE 11       Solving Linear Systems by Graphing         Lesson 11.1       Solving Linear Systems by Substitution         Lesson 11.2       Solving Linear Systems by Adding or Subtracting         Lesson 11.4       Solving Linear Systems by Multiplying First         MODULE 12       Modeling with Linear Systems         Lesson 12.1       Creating Systems of Linear Equations         Lesson 12.2       Graphing Systems of Linear Inequalities         Lesson 12.3       Modeling with Linear Systems   | Homework quizzes, worksin   | eet, Tests.    | Assign ready  | Assign ready-made or customized practice tests |  |  |
| Stage 3 - Learning Plan         Learning Activities: procedures/topics         Reading and discussing lesson with class.         Giving students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.         MODULE 11 Solving Systems of Linear Equation         Lesson 11.1 Solving Linear Systems by Graphing         Lesson 11.2 Solving Linear Systems by Substitution         Lesson 11.3 Solving Linear Systems by Adding or Subtracting         Lesson 11.4 Solving Linear Systems         MODULE 12 Modeling with Linear Systems         Lesson 12.1 Creating Systems of Linear Equations         Lesson 12.2 Graphing Systems of Linear Inequalities         Lesson 12.3 Modeling with Linear Systems  |   |                | to prepare st | utents for high-stakes tests                   |  |  |
| Stage 3 - Learning Plan         Learning Activities: procedures/topics         Reading and discussing lesson with class.         Giving students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.         Lesson Description         MODULE 11 Solving Systems of Linear Equation         Lesson 11.1 Solving Linear Systems by Graphing         Lesson 11.2 Solving Linear Systems by Substitution         Lesson 11.3 Solving Linear Systems by Adding or Subtracting         Lesson 11.4 Solving Linear Systems         MODULE 12 Modeling with Linear Systems         Lesson 12.1 Creating Systems of Linear Equations         Lesson 12.2 Graphing Systems of Linear Inequalities         Lesson 12.3 Modeling with Linear Systems   |   |                |               |  |  |  |
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| Stage 3 – Learning Plan         Learning Activities: procedures/topics         Reading and discussing lesson with class.         Giving students examples to be completed in class.         Students taking notes and using notes to complete homework assignments.         Lesson Description         MODULE 11 Solving Systems of Linear Equation         Lesson 11.1 Solving Linear Systems by Graphing         Lesson 11.2 Solving Linear Systems by Substitution         Lesson 11.3 Solving Linear Systems by Adding or Subtracting         Lesson 11.4 Solving with Linear Systems         Lesson 12.1 Creating Systems of Linear Equations         Lesson 12.2 Graphing Systems of Linear Inequalities         Lesson 12.3 Modeling with Linear Systems   |   |                |               |  |  |  |
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| Learning Activities: procedures/topics<br>Reading and discussing lesson with class.<br>Giving students examples to be completed in class.<br>Students taking notes and using notes to complete homework assignments.<br><b>Lesson Description</b><br>MODULE 11 Solving Systems of Linear Equation<br>Lesson 11.1 Solving Linear Systems by Graphing<br>Lesson 11.2 Solving Linear Systems by Substitution<br>Lesson 11.3 Solving Linear Systems by Adding or Subtracting<br>Lesson 11.4 Solving Linear Systems by Multiplying First<br>MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems  |   | Stage 3        | - Learning Pl | an   |  |  |
| Reading and discussing lesson with class.<br>Giving students examples to be completed in class.<br>Students taking notes and using notes to complete homework assignments.<br><b>Lesson Description</b><br>MODULE 11 Solving Systems of Linear Equation<br>Lesson 11.1 Solving Linear Systems by Graphing<br>Lesson 11.2 Solving Linear Systems by Substitution<br>Lesson 11.3 Solving Linear Systems by Adding or Subtracting<br>Lesson 11.4 Solving Linear Systems by Multiplying First<br>MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems  | Learning Activities: procedu  | res/topics     |               |  |  |  |
| Giving students examples to be completed in class.<br>Students taking notes and using notes to complete homework assignments.<br><b>Lesson Description</b><br>MODULE 11 Solving Systems of Linear Equation<br>Lesson 11.1 Solving Linear Systems by Graphing<br>Lesson 11.2 Solving Linear Systems by Substitution<br>Lesson 11.3 Solving Linear Systems by Adding or Subtracting<br>Lesson 11.4 Solving Linear Systems by Multiplying First<br>MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems   | Reading and discussing less   | on with class. |               |  |  |  |
| Students taking notes and using notes to complete homework assignments.         Lesson Description         MODULE 11 Solving Systems of Linear Equation         Lesson 11.1 Solving Linear Systems by Graphing         Lesson 11.2 Solving Linear Systems by Substitution         Lesson 11.3 Solving Linear Systems by Adding or Subtracting         Lesson 11.4 Solving Linear Systems by Multiplying First         MODULE 12 Modeling with Linear Systems         Lesson 12.1 Creating Systems of Linear Equations         Lesson 12.2 Graphing Systems of Linear Inequalities         Lesson 12.3 Modeling with Linear Systems  | Giving students examples to   | be completed   | in class.     |  |  |  |
| Lesson Description<br>MODULE 11 Solving Systems of Linear Equation<br>Lesson 11.1 Solving Linear Systems by Graphing<br>Lesson 11.2 Solving Linear Systems by Substitution<br>Lesson 11.3 Solving Linear Systems by Adding or Subtracting<br>Lesson 11.4 Solving Linear Systems by Multiplying First<br>MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems   | Students taking notes and using notes to complete homework assignments. |                |               |  |  |  |
| Lesson DescriptionMODULE 11 Solving Systems of Linear EquationLesson 11.1 Solving Linear Systems by GraphingLesson 11.2 Solving Linear Systems by SubstitutionLesson 11.3 Solving Linear Systems by Adding or SubtractingLesson 11.4 Solving Linear Systems by Multiplying FirstMODULE 12 Modeling with Linear SystemsLesson 12.1 Creating Systems of Linear EquationsLesson 12.2 Graphing Systems of Linear InequalitiesLesson 12.3 Modeling with Linear Systems   |   |                |               |  |  |  |
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| <ul> <li>MODULE 11 Solving Systems of Linear Equation</li> <li>Lesson 11.1 Solving Linear Systems by Graphing</li> <li>Lesson 11.2 Solving Linear Systems by Substitution</li> <li>Lesson 11.3 Solving Linear Systems by Adding or Subtracting</li> <li>Lesson 11.4 Solving Linear Systems by Multiplying First</li> <li>MODULE 12 Modeling with Linear Systems</li> <li>Lesson 12.1 Creating Systems of Linear Equations</li> <li>Lesson 12.2 Graphing Systems of Linear Inequalities</li> <li>Lesson 12.3 Modeling with Linear Systems</li> </ul>   | Lesson Description  |                |               |  |  |  |
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| Lesson 11.2 Solving Linear Systems by Substitution<br>Lesson 11.3 Solving Linear Systems by Adding or Subtracting<br>Lesson 11.4 Solving Linear Systems by Multiplying First<br>MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems   | Lesson 11.1 Solving Linear Systems by Graphing                          |                |               |  |  |  |
| Lesson 11.3 Solving Linear Systems by Adding or Subtracting<br>Lesson 11.4 Solving Linear Systems by Multiplying First<br>MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems   | Lesson 11.2 Solving Linear Systems by Substitution                      |                |               |  |  |  |
| Lesson 11.4 Solving Linear Systems by Multiplying First<br>MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems  | Lesson 11.3 Solving Linear Systems by Adding or Subtracting             |                |               |  |  |  |
| MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems   | Lesson 11.4 Solving Linear Systems by Multiplying First                 |                |               |  |  |  |
| MODULE 12 Modeling with Linear Systems<br>Lesson 12.1 Creating Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems   |   |                |               |  |  |  |
| Lesson 12.1 Creating Systems of Linear Equations<br>Lesson 12.2 Graphing Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems   | MODULE 12 Modeling with Linear Systems                                  |                |               |  |  |  |
| Lesson 12.2 Graphing Systems of Linear Inequalities<br>Lesson 12.3 Modeling with Linear Systems   | Lesson 12.1 Creating Systems of Linear Equations                        |                |               |  |  |  |
| Lesson 12.3 Modeling with Linear Systems  | Lesson 12.2 Graphing Systems of Linear Inequalities                     |                |               |  |  |  |
|   |   |                |               |  |  |  |
| MODULE 13 Piecewise-Defined Functions   | MODULE 13 Piecewise-Defi  | ned Functions  | 5             |  |  |  |

Lesson 13.1 Understanding Piecewise-Defined Functions Lesson 13.2 Absolute Value Functions and Transformations Lesson 13.3 Solving Absolute Value Equations Lesson 13.4 Solving Absolute Value Inequalities