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| Grade Level 9th Coordinate Algebra A | | **Teacher/Room**: L.Payne/Room 181 Week of: September 15 through September 19 | | | |
| **Unit Vocabulary:** coefficient, domain, equation, expression, inequality, ordered pair, range, substitution, variable | | | | | |
| **Instructional Strategies Used:** direct instruction, independent study, interactive instruction, partners | | | | | |
| **Day 1** | **Day 2** | | **Day 3** | **Day 4** | **Day 5** |
| **Common Core Standard(s)**:  All that we have covered so far. | **Common Core Standard(s)**:  All that we have covered so far. | | **Common Core Standard(s)**:  **MCC9-12.A.CED.2** Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. | **Common Core Standard(s)**:  **MCC9-12.A.CED.2** Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. | **Common Core Standard(s)**:  **MCC9‐12.A.REI.12** Graph the solutions to a linear inequality in two variables as a half‐plane (excluding the boundary in the case of a strict inequality), and graph the solution set  to a system of linear inequalities in two variables as the intersection of the corresponding half‐planes. |
| **EQ Question**: How do I choose and interpret units consistently in formulas? How do I interpret parts of an expression in terms of context? How do I create equations and inequalities in one variable and use them to solve problems arising from linear and exponential functions? How can I write, interpret and manipulate algebraic expressions, equations, and inequalities? How do I create equations in two or more variables to represent relationships between quantities? | **EQ Question**: How do I choose and interpret units consistently in formulas? How do I interpret parts of an expression in terms of context? How do I create equations and inequalities in one variable and use them to solve problems arising from linear and exponential functions? How can I write, interpret and manipulate algebraic expressions, equations, and inequalities? How do I create equations in two or more variables to represent relationships between quantities? | | **EQ Question**:  How do I graph equations on coordinate axes with the correct labels and scales? | **EQ Question**:  How do I graph equations on coordinate axes with the correct labels and scales? | **EQ Question**:  How do I graph a linear inequality in two variables? |
| **Mini Lesson:** Solving Proportions  **Activating Strategies:** Ask the teacher questions  **Lesson**: Review   * **More Problems ppt** * **Jeopardy** [**https://jeopardylabs.com/play/coordinate-algebra-unit-1**](https://jeopardylabs.com/play/coordinate-algebra-unit-1)   **Resource/Materials:** Review Sheets, Textbook, Power point, internet | **Mini Lesson:** Solving Proportions  **Activating Strategies:** Quick Review  **Lesson: Test**  Pre-Test Unit 2  **Resource/Materials:** Tests | | **Mini Lesson:** Pre-test  **Activating Strategies:** How would you graph this? x + y = 8  **Lesson:** Graphing, by t-table method  **Resource/Materials:** Graphs, Markers, Power Point, graphic organizers, worksheets | **Mini Lesson:** PARCC Questions  **Activating Strategies:** Solve for y:  3x – 15y + 21 + 4x = 42 -16y– 2x – x + 3  **Lesson:** Graphing by slope-intercept method  **Resource/Materials:** Graphs, Markers, Power Point, graphic organizers, worksheets | **Mini Lesson:** Quiz  **Activating Strategies:** Solving inequalities  **Lesson:** Graphing inequalities  **Resource/Materials:** Graphs, colored pencils, graphic organizers, Power Point, worksheets |
| **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:* Random  *Assessment:* | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment:* | | **Differentiation:**  *Content/Process/Product:* graphic organizer  *Grouping Strategy:*  *Assessment:* | **Differentiation:**  *Content/Process/Product:* graphic organizer  *Grouping Strategy:*  *Assessment:* | **Differentiation:**  *Content/Process/Product:* Partners  *Grouping Strategy:*  *Assessment:* |
| **Assessment :**  *Formative:* thumbs up/down  *Summative:* | **Assessment :**  *Formative:* thumbs up/down  *Summative:* Unit 1 Test | | **Assessment :**  *Formative:* graph boards, ticket-out-the-door  *Summative:* | **Assessment :**  *Formative:* graph boards, ticket-out-the-door  *Summative:* | **Assessment :**  *Formative:* quiz on graphing equations  *Summative:* |
| **Homework:** review sheets and study | **Homework:** none | | **Homework:** worksheets | **Homework:** worksheets | **Homework:** worksheets |