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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 |