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| Grade Level 9th Coordinate Algebra A | | **Teacher/Room**: L. Payne/Room 181 Week of: October 6 – October 10, 2014 | | | |
| **Unit Vocabulary:** coefficient, constraint, domain, equation, inequality, ordered pair, range, substitution, term, variable, slope, intercepts, intersection, parallel, perpendicular, consistent, inconsistent, dependent | | | | | |
| **Instructional Strategies Used:** direct instruction, independent study, interactive instruction, partners | | | | | |
| **Day 1** | **Day 2** | | **Day 3** | **Day 4** | **Day 5** |
| **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.  **L9-10RST7**: Translate quantitative or technical information expressed in words in a text into visual form and translate info expressed visually or mathematically into words.  **WIDA.ELDS3** | **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.  **L9-10RST7**: Translate quantitative or technical information expressed in words in a text into visual form and translate info expressed visually or mathematically into words.  **WIDA.ELDS3** | | **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.  **L9-10RST7**: Translate quantitative or technical information expressed in words in a text into visual form and translate info expressed visually or mathematically into words.  **WIDA.ELDS3** | **Common Core Standard(s)**:  **WIDA.ELDS3** | **Common Core Standard(s)**:  **MCC9‐12.A.REI.6** Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.  **L9-10RST7**: Translate quantitative or technical information expressed in words in a text into visual form and translate info expressed visually or mathematically into words.  **WIDA.ELDS3** |
| **EQ Question:** How do I graph a linear inequality in two variables? | **EQ Question**: How do I solve a systems of inequalities? | | **EQ Question:**  How do I solve a systems of inequalities? | **EQ Question:** | **EQ Question:** How do I use systems of equations and inequalities to solve real world problems? |
| **Mini Lesson:** Partner Practice –Matching Linear Graphs with Equations  **Activating Strategies:** Alternate Lesson Opener (in powerpoint)  **Lesson:** Graphing Linear Inequalities (Textbook 7-2)   1. Power Presentation (thru slide 29) 2. Guided Notes 3. Practice Problems 4. Assignment   **Resource/Materials:** Powerpoint, partner practice matching worksheets, WS packet | **Mini Lesson:** Graphing inequalities  **Activating Strategies:** How would you solve this system of inequalities?  **Lesson:** Solving a system of inequalities (Textbook 7-3)   1. Power Presentation 2. Guided Notes 3. Practice Problems 4. Assignment   **Resource/Materials:** guided notes, powerpoint,worksheet packet | | **Mini Lesson:** Graphing a system of inequalities  **Activating Strategies:** Questions for Teacher  **Lesson:** Solving a systems of inequalities (continued)   1. More practice 2. Quiz 3. Assignment     **Resource/Materials:** Quizzes, worksheets | **Mini Lesson:**  **Activating Strategies:**  **Lesson:**    **Resource/Materials:**  **BENCHMARK TEST** | **Mini Lesson:** One problem – three methods  **Activating Strategies:** Rectangle Problem – set up a system of equations to solve.  **Lesson:**   1. Word Problems – Guided Notes 2. Classwork - WS   **Resource/Materials:** Word Problem Guided Notes, Worksheets |
| **Differentiation:**  *Content/Process/Product:* guided notes  *Grouping Strategy:* partners, random  *Assessment:* | **Differentiation:**  *Content/Process/Product:* guided notes  *Grouping Strategy:*  *Assessment:* | | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment:* | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment:* | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment:* |
| **Assessment :**  *Formative:* thumbs up/down, monitoring classwork  *Summative:* | **Assessment :**  *Formative:* thumbs up/down, monitoring classwork  *Summative:* | | **Assessment :**  *Formative:*  *Summative:* Quiz | **Assessment :**  *Formative:*  *Summative: benchmark test* | **Assessment :**  *Formative:*  *Summative:* |
| **Homework: WS Packet** | **Homework**: WS Packet | | **Homework**: Worksheet | **Homework**: | **Homework**: none |

Resources and Reflective Notes: