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| Grade Level 9th Coordinate Algebra A | **Teacher/Room**: L. Payne/Room 181 Week of: August 25 – August 29, 2014 |
| **Unit Vocabulary:** coefficient, constraint, domain, equation, expression, factor, inequality, ordered pair, Pythagorean Theorem, range, substitution, term, 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)**:**MCC9‐12.A.CED.1** Create equations and inequalities in one variable and use them to solve problems.  **L9-10RST7** . | **Common Core Standard(s)**:**MCC9‐12.A.CED.1**,**MCC9-12.A.CED.4** | **Common Core Standard(s)**:**MCC9-12.A.CED.4** Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.**L9-10RST7**. | **Common Core Standard(s)**:**MCC9-12.A.CED.4** Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.**L9-10RST7**  | **Common Core Standard(s)**:**MCC9-12.A.CED.1** **MCC9-12.A.SSE.1** **MCC9-12.A.SSE.1a** **MCC9-12.A.SSE.1b** |
| **EQ Question**: How do you solve multi-step equations? | **EQ Question**: How can you model and solve equations?  | **EQ Question**: How can you solve for a given variable in a formula or equation with more than one variable? | **EQ Question**: How can you solve for a given variable in a formula or equation with more than one variable? | **EQ Question**: * 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 functions?• How can I write, interpret and manipulate algebraic expressions, equations and inequalities? |
| **Mini Lesson:** solving equations**Activating Strategies:**.How do you solve this problem? (Cell Phone problem)**Lesson:** Solving simple equations1. Steps on solving equations
2. Review for tomorrow’s test

**Resource/Materials:** Powerpoint, review sheets | **Mini Lesson**: Review**Test:** Solving Equations**Resource/Materials:**  Tests | **Mini Lesson:** Solving Equations**Activating Strategies:** Cross country runners wanting to find their rates in mph, given distances and times.**Lesson:** Solving for a variable1. Notes – Keeper 6 ppt
2. Classwork – Practice Problems
3. Assignment - Worksheets

**Resource/Materials:** Powerpoint, worksheets | **Mini Lesson:** Solving Equations**Activating Strategies:** Converting Celsius to Fahrenheit (I forgot formula)**Lesson:** Solving for a variable – Part II1. Guided Practice Problems
2. Assignment – from textbook (Section 3-3)

**Resource/Materials:** Powerpoint, textbook | **Mini Lesson:** Instructions for Task/Partners**Activating Strategies:** What do you think are “consecutive integers?”**Lesson:** Lucy’s Linear Equations and Inequalities (Practice Task)**Resource/Materials:** Powerpoint, tasks |
| **Differentiation:***Content/Process/Product:* *Grouping Strategy:* *Assessment:* informal | **Differentiation:***Content/Process/Product:* *Grouping Strategy:* *Assessment:* informal | **Differentiation:***Content/Process/Product:* Modified Worksheet*Grouping Strategy:**Assessment:* informal | **Differentiation:***Content/Process/Product: Basic: 8–31, 34–37, 46* *Grouping Strategy:**Assessment:* informal | **Differentiation:***Content/Process/Product:* *Grouping Strategy:* partners based on Tuesday’s test*Assessment:* informal |
| **Assessment :***Formative:* thumbs up/down*Summative:*  | **Assessment :***Formative:* thumbs up/down*Summative:* **Test** | **Assessment :***Formative:* thumbs up/down*Summative:*  | **Assessment :***Formative:* thumbs up/down*Summative:*  | **Assessment :***Formative:* thumbs up/down*Summative:*  |
| **Homework:** Review Worksheet and study | **Homework:** none | **Homework:** Worksheets | **Homework:** Textbook – pp. 79-81:Basic: 8–31, 34–37, 46 Average: 8–13, 20–41, 46–47  | **Homework:** none |