|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade Level:**  | 9th | **Teacher/Room**: | LPAYNE  | / | 181 | **Course(s)/ Period(s):**  | algebra I | / | 4 | **Week of:** | 10/5-10/9 |
| **Unit Vocabulary:**  | arithmetic sequence, common differnce, constant, constant of variation, decuctive reasoning, direct variation, inductivve reasoning, linear equation, linear function, rate of change, root, sequence, slope, standard form, terms of the sequence, x-intercept, y-intercept, zero of a function, consecutive intergers, dimensional analysis, equivalent equations, formula, literal equation, percent of change, percent of increase and decrease, proprotion, rate, ratio, scale, scale model, unit analysis, unit rate, weighted averageSystem of equtaions, substitution, elimination, constistent, independent, dependent, insconsistent |
| **Instructional Strategies Used:**  | direct instruction, independent study, interactive instruction, partners task, algebra lab, ticket out the door, algebra tech lab, thumbs up/down  |
| **Day 1** | **Day 2** | **Day 3** | **Day 4** | **Day 5** |
| **GSE/GPS Standard(s)**: | **GSE/GPS Standard(s)**: | **GSE/GPS Standard(s)**: | **GSE/GPS Standard(s)**: | **GSE/GPS Standard(s)**: |
| L9-103ST7F.IF.3F.BF.2MPS-1,3,8 | L9-103ST7A.APR.1A.SSE.1aMPS-1,3, 5,7 | L9-103ST7A.SEE.2F.IF.7MPS-1,2,7 | L9-103ST7A.APR.1F.IF.8MPS-1,2,3,7,8 | L9-103ST7A.SEE.2F.BF.2MPS-1,2,3,7,8 |
| **Essential Question:** | **Essential Question:** | **Essential Question:** | **Essential Question:** | **Essential Question:** |
| How can I write a recursive formula?  | How can I add, subtract, and multiply polynomials? | How can I multiply polynomials? | How can I create and model special products?  | How can I create and evaluate a geometric sequence?  |
| **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  |
| * Warm-up
 | * Warm-up
 | * INEQUALITIES
 | * INEQUALITIES
 | * INEQUALITIES
 |
| **Activating Strategies:**  | **Activating Strategies:**  | **Activating Strategies:**  | **Activating Strategies:**  | **Activating Strategies:**  |
| * SQ3R
* GRAPHING CALCULATOR ACTVITIY
 | * SQ3R
* CHECKING HW
 | * SQ3R
* CHECKING HW
 | * SQ3R
* CHECKING HW
 | * SQ3R
* CHECKING HW
 |
| **Lesson:**  | **Lesson:**  | **Lesson:**  | **Lesson:**  | **Lesson:**  |
| * 7.8 Recursive Formulas
* Review
 | * 8.1 Adding and Subtracting Polynomials
* 8.2 Multiplying polynomials by a monomial
* Chapter 7 test
 | * 8.3 Multiplying polynomials
 | * 8.4 Special Products
 | * geometric sequences
 |
| **Resource/Materials:** | **Resource/Materials:** | **Resource/Materials:** | **Resource/Materials:** | **Resource/Materials:** |
| * TEXT, CALCULATOR, GRAPH PAPER,
 | * TEXT, CALCULATOR, GRAPH PAPER, TEACHER MADE RESOURCES
 | * TEXT, CALCULATOR, GRAPH PAPER, TEACHER MADE RESOURCES
 | * TEXT, CALCULATOR, GRAPH PAPER, TEACHER MADE RESOURCES
 | * TEXT, CALCULATOR, GRAPH PAPER, TEACHER MADE RESOURCES
 |
| **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  |
| * CONTENT LEVEL DIFFICULITY
* Lab, usatestprep
 | * Using Algebra Tiles to add polynomials
 | * CONTENT LEVEL OF DIFFICULTY
 | * FLOW CHART COMPARING PRODUCTS OF POLYNOMIALS
 | * Using Algebra Tiles to multilply polynomials
 |
| ***Grouping Strategy:*** | ***Grouping Strategy:*** | ***Grouping Strategy:*** | ***Grouping Strategy:*** | ***Grouping Strategy:*** |
| * FLEXIBLE
 | * FLEXIBLE
 | * FLEXIBLE
 | * FLEXIBLE
 | * Flexible
 |
| ***Assessment:*** | ***Assessment:*** | ***Assessment:*** | ***Assessment:*** | ***Assessment:*** |
| * HOMEWORK/GUIDED PRACTICE
 | * TOD
 | * HOMEWORK/GUIDED PRACTICE
 | * TOD
 | * HOMEWORK/GUIDED PRACTICE
 |
| **Assessment :** | **Assessment :** | **Assessment :** | **Assessment :** | **Assessment :** |
| ***Pre-Test:*** |           | ***Pre-Test:*** |       | ***Pre-Test:*** |       | ***Pre-Test:*** |       | ***Pre-Test:*** |       |
| ***Post-Test:***  |       | ***Post-Test:***  |       | ***Post-Test:***  |       | ***Post-Test:***  |       | ***Post-Test:***  |       |
| ***Formative:***  | GUIDED PRACTICE EXAMPLES | ***Formative:***  | GUIDED PRACTICE EXAMPLES, TOD, WARM-UP | ***Formative:*** | GUIDED PRACTICE EXAMPLES, TOD, WARM-UP | ***Formative:*** | REVIEW | ***Formative:*** |       |
| ***Summative:***  |       | ***Summative:***  | TEST Chapter 7 | ***Summative:*** |       | ***Summative:*** |       | ***Summative:*** | Adding/subtracting/multiplying polynomials |
| ***Performance Based:***  | ***Performance Based:***  | ***Performance Based:***  | ***Performance Based:***  | ***Performance Based:***  |
|       |       |       |       |       |
| **Homework:**  | **Homework:**  | **Homework:**  | **Homework:**  | **Homework:**  |
| 7.8 pg. 448, 11-29odd, 35, 36-39Practice test #7 pg. 455 1-34 | 8.1 pg. 468, 21-57 odd8.2 pg.19-39 odd  | 8.3 pg. 483 13-41 0dd, 45,46 | 8.4 pg. 489 13-55 0DD 62-65 | Chapter 8 mid chapter quizpg. 492 1-34 all  |
| **Resources and Reflective Notes:** | Chapter 7 VocabularyCommon RatioConstantCube rootExponential decayExponential equationExponential functionExponential growthGeometric sequenceMonomialNegative exponent Nth rootOrder of magnitudeRational exponentRecursive formulaScientific notationZero exponentChapter 8 VocabularyPolynomial BinomialTrinomialDegree of a monomialDegree of a polynomialStandard form of a polynomialLeading coefficientFOIL methodQuadratic expressionFactoringFactoring by groupingZero product propertyQuadratic equationPrime polynomialDifference of two squaresPerfect square trinomialSquare root property |