

Algebra II Honors Chapter 7/Functions HW Syllabus*

| Day | Date | Description | Homework |
|-----|------|---|--|
| 1 | | 7.2 Analyze Arithmetic Sequences and Series (explicit, recursive, sum) | <ul style="list-style-type: none"> p. 446 (1, 9-15 odd, 25-33 eoo, 41, 45, 49, 55, 61) p. 470 (3, 5, 13) Summation Notation WKST – Identify the <u>arithmetic series</u> in SECTION 2 and do those problems only |
| 2 | | 7.3,7.4 Analyze Geometric Sequences and Series (explicit, recursive, sum) | <ul style="list-style-type: none"> p. 454 (1, 5-11 odd, 15-43 eoo, 49-53 odd) p. 463 (9, 17, 21, 23) p. 470 (4, 14, 17) Summation Notation WKST – Identify the <u>geometric series</u> in SECTION 2 and do those problems only |
| 3 | | Ch 7 Review | <ul style="list-style-type: none"> Chapter 7 Review WKST |
| 4 | | Ch 7 Review Library of Parent Functions | <ul style="list-style-type: none"> Finish and memorize the library of functions - <i>SKIP SYMMETRY/EVEN/ODD</i> |
| 5 | | Chapter 7 Mini Test Sketching Transformations - <i>key point graphs</i> | <ul style="list-style-type: none"> Function Transformations WKST (1-4, 6, 7, 9, 10) |
| 6 | | Sketching Transformations - <i>graphs with asymptotes, semicircles, greatest integer</i> | <ul style="list-style-type: none"> Function Transformations WKST (5, 8, 11-20) |
| 7 | | Quiz – LOF Parent Function Quiz (NO EVEN/ODD or Symmetry) Piecewise Functions | <ul style="list-style-type: none"> Piecewise Functions WKST |
| 8 | | Quiz – Function Transformations and Piecewise Function Analysis - <i>Increasing, Decreasing, Positive, Negative</i> | <ul style="list-style-type: none"> Function Analysis WKST |
| 9 | | Symmetry/ Even & Odd Functions | <ul style="list-style-type: none"> Fill in Symmetry and Even/Odd on LOF Symmetry/ Even & Odd Functions WKST |
| 10 | | Quiz – Function Analysis, Symmetry Even & Odd Functions Tabular Data/Average Rate of Change | <ul style="list-style-type: none"> Tabular Data & Average Rate of Change WKST |
| 11 | | Functions Review | <ul style="list-style-type: none"> Functions Review WKST |
| 12 | | Functions Mini Test 2x2 Systems of Equations | <ul style="list-style-type: none"> SPIRAL ASSIGNMENT 4 2x2 Linear Systems WKST (odds) |
| 13 | | 2x2 System of Inequalities and Cramer's Rule (2x2) | <ul style="list-style-type: none"> 2x2 Inequalities WKST (odds) Cramer's Rule WKST (1 - 4) |
| 14 | | 3x3 Systems of Equations/word problems and Cramer's Rule (3x3) | <ul style="list-style-type: none"> 3x3 Systems WKST (1 – 3) Word problems WKST (1, 4, 18, 19) Cramer's Rule WKST (5 - 8) |
| 15 | | Quiz: Linear Inequalities, 2x2 and 3x3 systems Optimization | Optimization WKST |
| 16 | | Systems Review | Systems Chapter Review |
| 17 | | Systems Mini Test (<i>last test grade for 3rd quarter</i>) 8.1 Distance and Midpoint Formulas, 8.3 Circles | 8.1 & 8.3 WKST |



Algebra II Honors Ch 8 HW Syllabus*

| Day | Date | Description | Homework |
|-----|------|---|--|
| 1 | | 8.2 Parabolas | <ul style="list-style-type: none"> Parabolas WKST |
| 2 | | 8.4/8.5 Graphing Ellipses and Hyperbolas | <ul style="list-style-type: none"> Ellipses WKST (1, 2a, 2c, 2e, 2g) Hyperbolas WKST (1, 2) |
| 3 | | Quiz: Distance/midpoint/Parabola 8.4/8.5 Writing Equations of Hyperbolas and Ellipses, Conics Project | <ul style="list-style-type: none"> Ellipses WKST (3) Hyperbolas WKST (3, 4) |
| 4 | | 8.6 Classifying Conics | <ul style="list-style-type: none"> Classifying Conic Sections WKST |
| 5 | | Quiz: Ellipses and Hyperbolas 8.7 Nonlinear Systems Review | <ul style="list-style-type: none"> p. 537 (9 13, 14, 15, 19, 21, 23, 31, 36) Conics Review WKST |
| 6 | | Ch 8 Mini-Test Linear and Absolute Value Inequalities | <ul style="list-style-type: none"> SPIRAL ASSIGNMENT 5 Linear Inequalities WKST (odds only) Absolute Value Inequalities WKST (odds only) |
| 7 | | WORK ON CONICS PROJECT | <ul style="list-style-type: none"> Conics Project DUE APRIL 29 |
| 8 | | Polynomial and Rational Inequalities | <ul style="list-style-type: none"> Polynomial/Rational Inequalities WKST |
| 9 | | Quiz – Linear, Abs Value, Poly, Rat Inequalities Log/Exponential Inequalities | <ul style="list-style-type: none"> Log/Exponential Inequalities WKST |
| 10 | | Review | <ul style="list-style-type: none"> Inequalities Review WKST CONICS PROJECT DUE |
| 11 | | Inequalities Mini-Test Right Triangle Trigonometry | <ul style="list-style-type: none"> p. 560 (1, 2, 3-15 eoo, 21 (calc), 32 (calc)) |
| 12 | | 9.2 Define General Angles and Use Radian Measure - <i>Define Radians, Converting Angles, Coterminal Angles,</i> | <ul style="list-style-type: none"> p. 566 (1, 2, 3-37 odd) Set A (See 2nd page of syllabus) Memorize the Unit Circle |

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| | | <i>Evaluating Using a Calculator, Unit Circle Introduction</i> | |
| 13 | | Unit Circle Quiz 9.3 Evaluating Trigonometric Expressions | <ul style="list-style-type: none"> Evaluating Trigonometric Expressions WKST |
| 14 | (proctor) | Evaluate Quiz Graphs of Sine and Cosine Functions - <i>parents functions only</i> | <ul style="list-style-type: none"> Trigonometry Review WKST |
| 15 | | Review | <ul style="list-style-type: none"> Trigonometry Review WKST |
| 16 | | Trigonometry Mini Test | <ul style="list-style-type: none"> Final Review WKST |
| 17 | | Final Review | <ul style="list-style-type: none"> Final Review WKST |

