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Algebra 2 Topic Sequence (2015)

Lesson 1: **Describing Doman and Range of Functions TEKS: 2A.2A**, 2A.6K, 2A.7I

Lesson 2: Identifying and Transforming Parent Functions TEKS: 2A.2A, 2A.2B, 2A.2C, 2A.5A, 2A.6C, 2A.6G

Lesson 3: **Systems of Equations and Inequalities TEKS:** 2A.3A, 2A.3B, 2A.3C, 2A.3D, 2A.3E, 2A.3F, 2A.3G

Lesson 4: Representing Quadratic Functions TEKS: 2A.4D, 2A.4E

Lesson 5: Writing Quadratic Equations TEKS: 2A.4A, 2A.4D, 2A.4E, 2A.8A, 2A.8B, 2A.8C

Lesson 6:_**Solving Quadratic Equations TEKS:** 2A.4E, 2A.4F, 2A.4H

Lesson 7: Representing and Using Square Root Functions TEKS: 2A.2A, 2A.2C, 2A.4C, 2A.4E, 2A.4F, 2A.7I

Lesson 8: **Solving Square Root Equations and Inequalities TEKS:** 2A.4E, 2A.4F, 2A.7I

Lesson 9: Using Linear and Absolute Value Functions TEKS: 2A.6C, 2A.6D, **2A.6E**, 2A.6F, 2A.8A, 2A.8B, and **2A.8C**

Lesson 10:_**Representing and Using Rational Functions TEKS:** 2A.6G, 2A.6H, 2A.6J, 2A.6K, 2A.6L

Lesson 11: **Dividing Polynomials and Factoring TEKS:** 2A.7B, 2A.7C, 2A.7F

Lesson 12: **Extending Polynomials and Rational Expressions TEKS:** 2A.7B, 2A.7F

Lesson 13: Solving Rational Equations TEKS: 2A.6H, 2A.6I, 2A.6J, 2A.6K

Lesson 14: Solving Equations with Rational Exponents TEKS: 2A.7H, 2A.7G, 2A.6B, 2A.4F

Lesson 15: **Writing, Graphing, and Interpreting Exponential Functions TEKS:** 2A.2A, 2A.5A, 2A.5B, 2A.5D, 2A.8A, 2A.8B, 2A.8C

Lesson 16:_**Logarithmic Relationships TEKS: 2A.2A**, 2A.2C, 2A.5A, 2A.5C

Lesson 17: **Solving Exponential and Logarithmic Equations TEKS:** 2A.2A, 2A.5B, 2A.5C, 2A.5D, 2A.5E