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| **Algebra 1 Common Core State Standards** |
| **Conceptual Category** | **Domain** | **Cluster/Essential Learning Goal** |
| Number and Quantity | The Real Number System (N-RN) | ELG.MA.HS.N.2: Use properties of rational and irrational numbers. |
| Quantities (N-Q) | ELG.MA.HS.N.3: Reason quantitatively and use units to solve problems. |
| Algebra | Seeing Structure in Expressions (A-SSE) | ELG.MA.HS.A.1: Interpret structures of expressions.  |
| ELG.MA.HS.A.2: Write expressions in equivalent forms to solve problems.  |
| Arithmetic with Polynomials and Rational Expressions (A-APR) | ELG.MA.HS.A.3: Perform arithmetic operations on polynomials.  |
| ELG.MA.HS.A.4: Understand the relationship between zeros and factors of polynomials.  |
| Creating Equations (A-CED) | ELG.MA.HS.A.7: Create equations that describe numbers or relationships.  |
| Reasoning with Equations and Inequalities (A-REI) | ELG.MA.HS.A.8: Understand solving equations as a process of reasoning and explain the reasoning.  |
| ELG.MA.HS.A.9: Solve equations and inequalities in one variable.  |
| ELG.MA.HS.A.10: Solve systems of equations.  |
| ELG.MA.HS.A.11: Represent and solve equations and inequalities graphically.  |
| Functions | Interpreting Functions (F-IF) | ELG.MA.HS.F.1: Understand the concept of function and use function notation. |
| ELG.MA.HS.F.2: Interpret functions that arise in applications in terms of the context.  |
| ELG.MA.HS.F.3: Analyze functions using different representations.  |
| Building Functions (F-BF) | ELG.MA.HS.F.4: Build a function that models a relationship between two quantities.  |
| ELG.MA.HS.F.5: Build new functions from existing functions.  |
| Linear, Quadratic, and Exponential Models(F-LE) | ELG.MA.HS.F.6: Construct and compare linear, quadratic, and exponential models and solve problems.  |
| ELG.MA.HS.F.7: Interpret expressions for functions in terms of the situation they model.  |
| Statistics and Probability | Interpreting Categorical and Quantitative Data(S-ID)  | ELG.MA.HS.S.1: Summarize, represent, and interpret data on single count or measurement variable.  |
| ELG.MA.HS.S.2: Summarize, represent, and interpret data on two categorical and quantitative variables.  |
| ELG.MA.HS.S.3: Interpret linear models.  |

Focused Standards are in blue