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| **#** | **Learning Goal** | **Standard(s)** |
| A101 | Create equations and inequalities that describe numbers or relationships. | A-CED.1.1, A-CED.1.2, A-CED.1.3, A-CED.1.4 |
| A102 | Perform arithmetic operations on polynomials and find factors and zeros of polynomials. | A-APR.1.1, A-APR.2.3 |
| A103 | Solve equations and inequalities in one or two variables, and justify reasoning. | A-REI.1.1, A-REI.2.3, A-REI.2.4, A-REI.4.10, |
| A104 | Solve systems of linear equations and inequalities, algebraically and graphically | A-REI.3.5, A-REI.3.6, A-REI.4.11, A-REI.4.12 |
| A105 | Use patterns and structure to rewrite expressions in equivalent forms to solve problems. | A-SSE.1.1, A-SSE.1.2, A-SSE.2.3 |
| A106 | Understand the concept of a function and use function notation. | F-IF.1.1, F-IF.1.2, F-IF.1.3 |
| A107 | Build a function that models a relationship between two quantities using function transformations. | F-BF.1.1a, b, F-BF.2.3, |
| A108 | Compare and analyze functions using multiple representations, such as tables, graphs, equations, and verbal descriptions. | F-IF.3.7a, b, c, e, F-IF.3.8, F-IF.3.9 |
| A109 | Interpret functions that arise in applications in terms of the context. | F-IF.2.4, F-IF.2.5, F-IF.2.6 |
| A110 | Construct and compare linear and quadratic models and interpret parameters in context. | F-LE.1.1, F-LE.1.2, F-LE.1.3, F-LE.2.5, |
| A111 | Use properties of rational exponents and apply properties of numbers to rational and irrational numbers. | N-RN.1.1, N-RN.1.2, N-RN.2.3, N-Q.1.1, N-Q.1.2, N-Q.1.3 |
| A112 | Summarize, represent, and interpret data on a single count or measurement variable. | S-ID.1.1, S-ID.1.2, S-ID.1.3 |
| A113 | Summarize, represent and interpret data on two categorical and quantitative variables. | S-ID.2.5, S-ID.2.6 |
| A114 | Interpret linear models using linear regression in real-world context. | S-ID.3.7, S-ID.3.8, S-ID.3.9 |