**Unit 1: Equations and Inequalities**

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| --- | --- | --- | --- |
| **Learning Target** | **Task 1** | **Task 2** | **Task 3** |
| 1.1 I can simplify numerical and algebraic expressions applying the appropriate field properties. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 1.2 I can use problem solving strategies and verbal models. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 1.3 I can solving linear equations using properties of equality. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 1.4 I can evaluate and rewrite equations and common formulas. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 1.5 I can solve problems using verbal models. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 1.6 I can solve linear inequalities. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 1.7 I can evaluate and solve absolute value equations and inequalities. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**Unit 2 – Linear Equations and Functions**

|  |  |  |  |
| --- | --- | --- | --- |
| 2.1 I can graph a relation, find the domain & range, and determine if it is a function. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 2.2 I can find slopes of lines and define rates of change. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 2.3 I can graph linear equations in standard form and slope-intercept form. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 2.4 I can write the equation of a line in point-slope form. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 2.5 I can write and graph direct variation. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 2.6 I can best fit lines to data in a scatter plot. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 2.7 I can graph and write absolute value equations. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 2.8 I can graph linear inequalities in two variables. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**Unit 3 – Linear Systems and Matrices**

|  |  |  |  |
| --- | --- | --- | --- |
| 3.1 I can solve systems of linear equations by graphing. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 3.2 . I can solve systems of linear equations by substitution or elimination method. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 3.3 I can graph systems of linear inequalities. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 3.4 I can solve systems of equations in three variables. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 3.5 I can perform operations with matrices. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 3.6 I can multiply matrices. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 3.7 I can evaluate determinants of matrices and solve systems of equations using Cramer’s Rule. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 3.8 I can solve linear systems using inverse matrices. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**Unit 4 – Quadratic Functions and Factoring**

|  |  |  |  |
| --- | --- | --- | --- |
| 4.1 I can graph quadratic functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 4.2 I can graph quadratic functions in vertex form or intercept form. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 4.3 I can solve quadratic function. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 4.4 I can solve quadratic equations in standard form with a 1. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 4.5 I can solve quadratic equations by finding square roots. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 4.6 I can perform operations with complex numbers. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 4.7 I can solve quadratic equations by completing the square. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 4.8 I can solve quadratic equations by using the quadratic formula. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 4.9 I can graph and solve quadratic inequalities. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 4.10 I can write quadratic functions and models. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**Unit 5 – Polynomials and Polynomial Functions**

|  |  |  |  |
| --- | --- | --- | --- |
| 5.1 I can simplify expressions involving powers. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 5.2 I can graph and evaluate polynomial functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 5.3 I can add, subtract and multiply polynomials. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 5.4 I can factor and solve other polynomial equations. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 5.5 I can use polynomial long division, the remainder theorem and synthetic division to factor polynomials. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 5.6 I can find all the real zeros of a polynomial function. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 5.7 I can classify the zeros of a polynomial function using the Fundamental Theorem of Algebra. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 5.8 I can use intercepts to graph polynomial functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 5.9 I can write higher degree polynomial functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**Unit 6 – Rational Exponents and Radical Functions**

|  |  |  |  |
| --- | --- | --- | --- |
| 6.1 I can evaluate nth roots and use rational exponents. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 6.2 I can simplify expressions involving rational exponents. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 6.3 I can perform operations and functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 6.4 I can find inverse functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 6.5 I can graph square root and cube root functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 6.6 I can solve radical equations. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**Unit 7 – Exponential and Logarithmic Functions**

|  |  |  |  |
| --- | --- | --- | --- |
| 7.1 I can graph and use exponential growth functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 7.2 I can graph and use exponential decay functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 7.3 I can use functions involving the natural base e. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 7.4 I can evaluate logarithms and graph logarithmic functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 7.5 I can rewrite logarithmic expressions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 7.6 I can solve exponential and logarithmic equations. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 7.7 I can write exponential and power functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**Unit 8 – Rational Functions**

|  |  |  |  |
| --- | --- | --- | --- |
| 8.1 I can use inverse variation and joint variation models. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 8.2 I can graph rational functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 8.3 I can graph rational functions with higher-degree polynomials. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 8.4 I can multiply and divide rational expressions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 8.5 I can add and subtract rational expressions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 8.6 I can solve rational equations. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**\* Unit 9 – Quadratic Relations and Conic Sections**

|  |  |  |  |
| --- | --- | --- | --- |
| 9.1 I can find the length and midpoint of a line segment. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 9.2 I can write equations of parabolas that open left or right. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 9.3 I can write and graph equations of circles. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 9.4 I can graph and write equations of ellipses. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 9.5 I can graph and write equations of hyperbolas. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 9.6 I can translate conic sections. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 9.7 I can solve quadratic systems. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**\* Unit 10 – Counting Methods and Probability**

|  |  |  |  |
| --- | --- | --- | --- |
| 10.1 I can use the fundamental counting principle and permutations. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 10.2 I can use combinations and the binomial theorem. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 10.3 I can define and use probability. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 10.4 I can find probabilities of compound events. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 10.5 I can find the probabilities of independent and dependent events. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 10.6 I can construct and interpret binomial distributions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**\* Unit 11 – Data Analysis and Statistics**

|  |  |  |  |
| --- | --- | --- | --- |
| 11.1 I can find measures of central tendency and dispersion. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 11.2 I can apply transformations to data and describe how they affect statistics. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 11.3 I can use and interpret normal distributions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 11.4 I can select different sampling methods and draw conclusions for the samples. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 11.5 I can choose the best model for two-variable data. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**\* Unit 12 – Sequences and Series**

|  |  |  |  |
| --- | --- | --- | --- |
| 12.1 I can define and use sequences and series. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 12.2 I can analyze arithmetic sequences and series. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 12.3 I can analyze geometric sequences and series. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 12.4 I can find the sum of an infinite geometric series. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 12.5 I can use recursive rules with sequences and functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**\* Unit 13 – Trigonometric Ratios and Functions**

|  |  |  |  |
| --- | --- | --- | --- |
| 13.1 I can use trigonometric functions to find lengths. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 13.2 I can use generals angles that may be measured in radians. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 13.3 I can evaluate trigonometric functions of any angle. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 13.4 I can find angles given values of trigonometric functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 13.5 I can solve triangles that have no right angle using the law of sines. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 13.6 I can solve triangles that have no right angle using the law of cosines. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |

**\* Unit 14 – Trigonometric Graphs, Identities and Equations**

|  |  |  |  |
| --- | --- | --- | --- |
| 14.1 I can graph sine, cosine, and tangent functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 14.2 I can translate and reflect trigonometric graphs. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 14.3 I can verify trigonometric identities. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 14.4 I can solve trigonometric equations. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 14.5 I can model data using sine and cosine functions. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 14.6 I can use trigonometric sum and difference formulas. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |
| 14.7 I can use double-angle and half-angle formulas. |  |  |  |
| Rate your own mastery of this learning target. Remember you rating can change over time:  New to Me I Got This! | | | |