**AA Unit 4: Graphs and their transformations**

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| I can sketch the parent graph of a:   1. Linear Function 2. Quadratic Function 3. Cubic Function 4. Square Root Function 5. Cube Root Function 6. Absolute Value Functions 7. Rational Functions |  |
| I can graph and analyze   1. Piecewise Functions 2. Step Functions           ... |  |
| I can graph and describe transformation of functions   * Horizontal and Vertical Translations * Horizontal and Vertical Dilations (stretch or compress) * Horizontal and Vertical Reflections |  |
| I can Complete the Square to write a Quadratic Function in Graphing form.   1. Write the function in graphing form and describe the transformations used to change the parent function to . 2. Model quadratic situations using Graphing Form. |  |