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| Name: REX | | Grading Quarter: 2 | Week Beginning: 10/14/2024 |
| School Year: | | Subject: Algebra 2 | |
| Monday | Notes: | Objective: No School | Academic Standards: |
| Tuesday | Notes: | Objective: Students will be able to graph quadratic equations. Lesson Overview: How to graph a quadratic using vertex form: identify the vertex and the shifts h and k, find the axis of symmetry Graph by hand and with technology | Academic Standards: A.CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. |
| Wednesday | Notes: | Objective: Students will be able to graph quadratic equations. Lesson Overview: <i>This is a continuation of previous day's lesson</i> How to graph a quadratic using vertex form: identify the vertex and the shifts h and k, find the axis of symmetry Graph by hand and with technology | Academic Standards: A.CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. |
| Thursday | Notes: | Objective: Students will be able to solve quadratic equations by graphing. Lesson Overview: Discuss how solutions to a quadratic are the x-intercepts on a graph. Discuss situations where there are two, one, or no solutions and what that means visually. Graph by hand and with technology. | Academic Standards: A.CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. |
| Friday | Notes: | Objective: Students will be able to graph quadratic equations. Lesson Overview: Practice making transformations of quadratics on Desmos. Play "marbleslides" to explore how the transformations result in different graphs. | Academic Standards: A.CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. |