The information in this document needs to be completed and submitted for grading.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Insert graph image:**  Image needs to fit with all the other info on **one page** (make sure it is easy to see all items required). | What is the pic of?  Where did you find it? | | | |
|  | | | |
| **Vertex Form:** | **Standard** **Form**: | **Vertex** | **x-intercept**: | **y-intercept**: |
|  |  |  |  |  |
| **Roots:**  Insert a picture of your work using either Completing the Square or the Quadratic Formula to find the solution to your equation.  Your roots and the graph’s x-intercepts should match. |  | | | |

**Fill out all the information above and submit as a PDF. Or, you can insert images, print to hand write the remaining info and send a scan of your completed project*. It must fit on one page.***

Check off each section before you submit.

|  |  |  |  |
| --- | --- | --- | --- |
| Category: | Complete? √ | Points: | **Your Score** |
| ***The following points go into the “assignment” category*** | | | |
| **Real Life Image: (4pts)** |  |  |  |
| Real-life Parabola Shape Image |  | 2 points |  |
| Accurate fit on Desmos Graph |  | 2 points |  |
|  | | Total |  |
|  | | | |
| ***The following points go into the “final” category All should be on the “Final Form” above*** | | | |
| Highlight the following by labeling their coordinate point on the graph and write in table on Final Form above | | | |
| **Graph Parabola (8-1 & 8-3): (4 pts)** | Complete? √ | Minor/Major | **4 points** |
| Vertex |  |  |  |
| x-intercepts |  |  |  |
| Y-intercept |  |  |  |
|  | | Total |  |
|  | | | |
| **Writing Quadratics Functions: (4 pts)** | Complete? √ | Minor/Major | **4 points** |
| Vertex Form of equation (8-2) |  |  |  |
| Standard Form (8-3) |  |  |  |
|  | | Total |  |
|  | | | |
| **Solving Quadratics (9-5 & 9-6): (4 pts)** | Complete? √ | Minor/Major | **4 points** |
| Find Roots/Zeros:  Use Quadratic Formula or Completing the Square |  |  |  |
| Solution matches graph |  |  |  |
| All work shown |  |  |  |
|  | | Total |  |