**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_3.1 HW - Pre AP Algebra 2**

**Problem Set**

Circle the function that matches each graph. Explain your reasoning.

 **1.** 



 **3.** 



 **2.** 



 **4.** 



Convert each quadratic function in factored form to standard form.

 **5.** 

Convert each quadratic function in vertex form to standard form.

 **6.** 

Complete the table below by converting the given quadratic function into its other two forms.

 **7.**

|  |  |  |
| --- | --- | --- |
| **Standard Form** | **Vertex Form** | **Factored Form** |
|  |  |  |

 **8.**

|  |  |  |
| --- | --- | --- |
| **Standard Form** | **Vertex Form** | **Factored Form** |
|  |  |  |