**Notes - Writing Vertex Form Equations and finding “a”**.

Use the graph.

**Step 1.)** Identify the \_\_\_\_\_\_\_\_\_\_ ( , )

**Step 2.)** Write the \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ equation, WITH the variable “a”.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Step 3.)** Find another \_\_\_\_\_\_\_\_ on the \_\_\_\_\_\_\_\_\_\_ ( , )

**Step 4.)** Plug \_\_\_ and \_\_\_ into your equations from **Step 2** and \_\_\_\_\_\_\_ for \_\_\_. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Step 5.)** Write your final equation with the \_\_\_-value included in the equation. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Try this: Write the equation for the parabola below. Follow steps 1-5!**

