**Quadratic Sort**

Match each equation of a quadratic with a graph and a description of the transformation. Glue in groups of three onto a sheet of notebook paper.

|  |  |  |
| --- | --- | --- |
| **A** | **I** | **Q**  Reflected over the x-axis, vertical dilation of 2 and translated left 3 and up 4. |
| **B** | **J** | **R**  Reflected over the x-axis and translated right 2 and down 4 |
| **C** | **K** | **S**  Reflected over the x-axis, vertical dilation of 5 and translated right 1 and up 1. |
| **D** | **L** | **T**  Horizontal dilation of 2 and translated right 1 |
| **E** | **M** | **U**  Vertical dilation of 2 and translated right 1 and down 1 |
| **F** | **N** | **V**  Horizontal dilation of 2 and translated right 4 and up 2. |
| **G** | **O** | **W**  Vertical dilation of 3 and translated left 3 and down 4. |
| **H** | **P** | **X**  Translated left 1 and up 2. |