Reflections: Guided Notes

# Vocabulary

***reflection***

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:** a type of transformation that uses a *reflection line* like a mirror to create a mirror image; the figure is **flipped** over the *reflection line*

# Algebraic Rules

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A screen shot of a computer game  Description automatically generated | |  | A screenshot of a graph  Description automatically generated | |
| Reflected over… | Algebraic Rule |  | Reflected over… | Algebraic Rule |
| …the *x*-axis |  |  | …the *y*-axis |  |

# Applying Algebraic Rules

Draw the image and complete the table below for each given unshaded preimage.

| Graph | Verbal Description | Algebraic Rule |
| --- | --- | --- |
|  | *The preimage is reflected over the y-axis.* |  |
|  | The preimage is reflected over the *x*-axis. |  |