|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Reflections** | |  | | |
| 1 | Reflect this shape in the **x-axis**  ***y***   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  | ***5*** |  |  |  |  |  |  | |  |  |  |  |  | ***4*** |  |  |  |  |  |  | |  |  |  |  |  | ***3*** |  |  |  |  |  |  | |  |  |  |  |  | ***2*** |  |  |  |  |  |  | |  |  |  |  |  | ***1*** |  |  |  |  |  |  | | ***-5***  ***-4*** |  | ***-3*** | ***-2*** | ***-1*** | ***0*** | ***1*** | ***2*** | ***3*** | ***4*** | ***5*** | ***x*** | |  |  |  |  | ***-1*** |  |  |  |  |  |  |  | |  |  |  |  | ***-2*** |  |  |  |  |  |  |  | |  |  |  |  | ***-3*** |  |  |  |  |  |  |  | |  |  |  |  | ***-4*** |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | | | 4 | Reflect this shape in the **line y = 2**  ***y***   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  | ***5*** |  |  |  |  |  |  | |  |  |  |  |  | ***4*** |  |  |  |  |  |  | |  |  |  |  |  | ***3*** |  |  |  |  |  |  | |  |  |  |  |  | ***2*** |  |  |  |  |  |  | |  |  |  |  |  | ***1*** |  |  |  |  |  |  | | ***-5***  ***-4*** |  | ***-3*** | ***-2*** | ***-1*** | ***0*** | ***1*** | ***2*** | ***3*** | ***4*** | ***5*** | ***x*** | |  |  |  |  | ***-1*** |  |  |  |  |  |  |  | |  |  |  |  | ***-2*** |  |  |  |  |  |  |  | |  |  |  |  | ***-3*** |  |  |  |  |  |  |  | |  |  |  |  | ***-4*** |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2 | Reflect this shape in the **y-axis**  ***y***   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  | ***5*** |  |  |  |  |  |  | |  |  |  |  |  | ***4*** |  |  |  |  |  |  | |  |  |  |  |  | ***3*** |  |  |  |  |  |  | |  |  |  |  |  | ***2*** |  |  |  |  |  |  | |  |  |  |  |  | ***1*** |  |  |  |  |  |  | | ***-5***  ***-4*** |  | ***-3*** | ***-2*** | ***-1*** | ***0*** | ***1*** | ***2*** | ***3*** | ***4*** | ***5*** | ***x*** | |  |  |  |  | ***-1*** |  |  |  |  |  |  |  | |  |  |  |  | ***-2*** |  |  |  |  |  |  |  | |  |  |  |  | ***-3*** |  |  |  |  |  |  |  | |  |  |  |  | ***-4*** |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | | | 5 | Reflect this shape in the **line y = -1**  ***y***   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  | ***5*** |  |  |  |  |  |  | |  |  |  |  |  | ***4*** |  |  |  |  |  |  | |  |  |  |  |  | ***3*** |  |  |  |  |  |  | |  |  |  |  |  | ***2*** |  |  |  |  |  |  | |  |  |  |  |  | ***1*** |  |  |  |  |  |  | | ***-5***  ***-4*** |  | ***-3*** | ***-2*** | ***-1*** | ***0*** | ***1*** | ***2*** | ***3*** | ***4*** | ***5*** | ***x*** | |  |  |  |  | ***-1*** |  |  |  |  |  |  |  | |  |  |  |  | ***-2*** |  |  |  |  |  |  |  | |  |  |  |  | ***-3*** |  |  |  |  |  |  |  | |  |  |  |  | ***-4*** |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |
| 3 | Reflect this shape in the **line x = 1**  ***y***   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  | ***5*** |  |  |  |  |  |  | |  |  |  |  |  | ***4*** |  |  |  |  |  |  | |  |  |  |  |  | ***3*** |  |  |  |  |  |  | |  |  |  |  |  | ***2*** |  |  |  |  |  |  | |  |  |  |  |  | ***1*** |  |  |  |  |  |  | | ***-5***  ***-4*** |  | ***-3*** | ***-2*** | ***-1*** | ***0*** | ***1*** | ***2*** | ***3*** | ***4*** | ***5*** | ***x*** | |  |  |  |  | ***-1*** |  |  |  |  |  |  |  | |  |  |  |  | ***-2*** |  |  |  |  |  |  |  | |  |  |  |  | ***-3*** |  |  |  |  |  |  |  | |  |  |  |  | ***-4*** |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | | | 6 | Reflect this shape in the **line y = x**  ***y***   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  | ***5*** |  |  |  |  |  |  | |  |  |  |  |  | ***4*** |  |  |  |  |  |  | |  |  |  |  |  | ***3*** |  |  |  |  |  |  | |  |  |  |  |  | ***2*** |  |  |  |  |  |  | |  |  |  |  |  | ***1*** |  |  |  |  |  |  | | ***-5***  ***-4*** |  | ***-3*** | ***-2*** | ***-1*** | ***0*** | ***1*** | ***2*** | ***3*** | ***4*** | ***5*** | ***x*** | |  |  |  |  | ***-1*** |  |  |  |  |  |  |  | |  |  |  |  | ***-2*** |  |  |  |  |  |  |  | |  |  |  |  | ***-3*** |  |  |  |  |  |  |  | |  |  |  |  | ***-4*** |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |