Geometry/Period #\_\_\_\_ Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ms. Terraferma Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Untitled-1

1. Point *A* is located at (4,-7). The point is reflected in the *x*-axis. Its image is located at

(1) (-4,7) (3) (4,7)

(2) (-4,-7) (4) (7,-4)

1. Which image represents a line reflection?



1. What are the coordinates of point  after it is reflected over the *y*-axis?

(1) (2,3) (3) (-2,-3)

(2) (-2,3) (4) (-3,2)

1. The vertices of ΔABC are *A(1, 6), B(4, 3)* and *C(2, -1)*. Graph ΔABC and its image under a reflection in the y-axis. State the coordinates:

|  |  |
| --- | --- |
|  | *A (1, 6) →\_\_\_\_\_\_*  *B (4,3) →  \_\_\_\_\_\_*  *C (2, -1) →  \_\_\_\_\_\_* |

|  |  |
| --- | --- |
|  |  |
| 1. The vertices of quadrilateral ABCD are *A(1, 3), B(2,1)* *C(7, 1)* and *D(5,5)*. Graph quadrilateral ABCD. Graph and label the image of ABCD in the x-axis. What are the coordinates of A’B’C’D’  |  |  | | --- | --- | |  | *A (1, 3) →\_\_\_\_\_\_*  *B (2,1) →  \_\_\_\_\_\_*  *C (7, 1) →  \_\_\_\_\_\_*  *D (5, 5) →  \_\_\_\_\_\_* | |  |

|  |  |
| --- | --- |
| 6. Triangle *SUN* has coordinates *S*(0,6), *U*(3,5), and *N*(3,0). On the accompanying grid, draw and label ∆*SUN*. Then, graph and state the coordinates of the image of ∆*SUN* after a reflection in the *y*-axis. | 1. Triangle *ABC* has coordinates *A*(2,0), *B*(l,7) and *C*(5,l). On the accompanying set of axes, graph, label, and state the coordinates of  the reflection of  in the *x*-axis. |