## Find The Shape!

Name: $\qquad$

A pair of perpendicular lines called axes intersect at 0 for each line. A given point on the plane is located by using an ordered pair of numbers called coordinates. The first number ("x"value) indicates how far to travel from the origin horizontally along the $x$-axis, and the second number ("y" value) indicates how far to travel vertically along the $y$-axis.

|  |  |  |  |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |  | 7 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 |  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|  |  |  |  |  |  |  |  | -1 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | -2 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | -3 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | -4 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | -5 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | -6 |  |  |  |  |  |  |  |  |  |  |

Plot these ordered pairs on the coordinate grid, and connect them with a solid line in the order they appear.
$(1,8),(5,8),(6,4),(4,2),(5,0),(2,-4),(3,0),(2,2),(3,4)$
What shape do you see?
Use the extra space to plot your own shape!

