

Name _____ Per _____

Mrs. Doolan/Math6

6.G.3 Plotting Polygons on a Coordinate Grid and Solving for Perimeter and Area

For each of the following sets of points do the following. All problems are in units:

- Plot the points on the coordinate plane.
- Connect the points to form a polygon.
- Label each vertex with the given letter.
- Name the length of the base.
- Calculate the perimeter of the polygon.
- Solve for Area of the polygon.

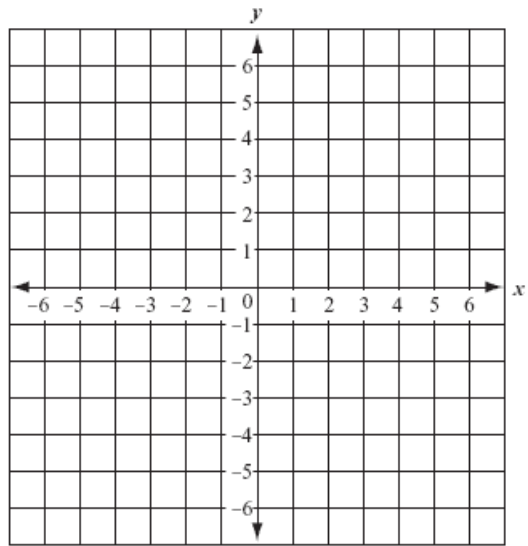
**#1: A: (-3, +2)
B: (+3, +2)
C: (+3, -2)
D: (-3, -2)**

Name the shape:

Name the length of the base:

Solve for perimeter of the figure:

Solve for Area of the figure:

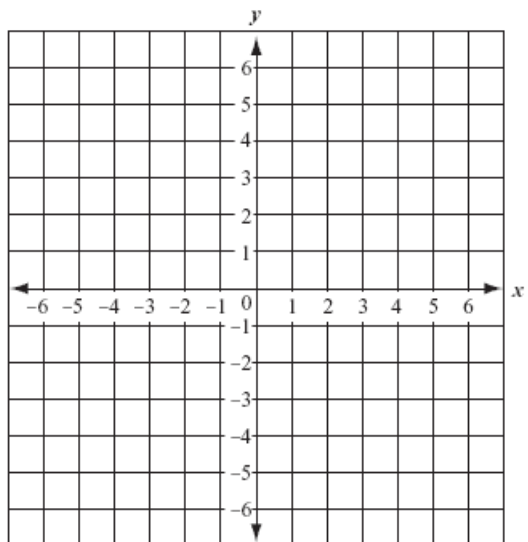


**#2: Z: (-5, -4)
Y: (-5, +3)
X: (+3, -4)**

Name the shape:

Name the length of the base:

Solve for Area of the figure:\

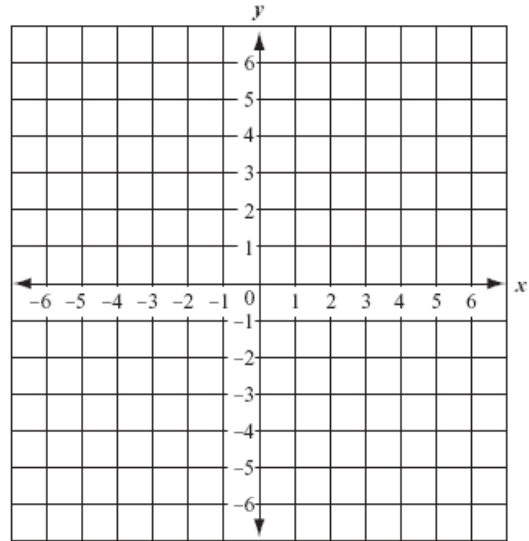


- #3:** **C:** (+2, +5)
 M: (+3, +7)
 R: (+6, +7)
 D: (+5, +5)

Name the shape:

Name the length of the base:

Solve for Area of the figure:



- #4:** **B:** (+1, -2)
 N: (+4, +2)
 S: (+6, +2)
 J: (+3, -2)

Name the shape:

Name the length of the base:

Solve for Area of the figure:

