

CALCULATE THE AREA OF BASIC POLYGONS DRAWN ON A COORDINATE PLANE

- A coordinate plane is a grid on which points can be plotted.
- The horizontal axis is labeled with positive numbers to the right of the vertical axis and negative numbers to the left of the vertical axis.
- The vertical axis is marked with positive numbers above the horizontal axis and negative numbers below the horizontal axis.
- Points are plotted using coordinates which indicate its location:
 (5, 7) or (-4, 3) or (-1, -6)



using the formula:

Area = length X width

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How to calculate the area of a basic polygon drawn on a coordinate plane:

- Begin by plotting the four points which will be the corners of the polygon.
- The first number in the coordinate indicates the point's position relative to the horizontal axis and the second number places the point relative to the vertical axis.
 - A point located at (6, 3) is 6 spaces to the right of the vertical axis and 3 spaces above the horizontal axis.







Try This!

Plot the points for each polygon and calculate the area:



(-2, -5), (-8, -5), (-2, -11), (-8, -11) _____





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