

# FINDING THE AREA OF GEOBOARD TRIANGLES

## ONE HORIZONTAL AND ONE VERTICAL SIDE

- Use your Geoboard to make several triangles. Each triangle should have one vertical and one horizontal side.
- Think how a related rectangle for each triangle can help you find the area of each triangle.

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## VERTICES AT $(0,0)$ , $(b,0)$ , $(x,y)$

- Use your Geoboard to make a triangle that has vertices at  $(0,0)$ ,  $(b,0)$ , and some other point  $(x,y)$ .
- Think how a related rectangle for each triangle can help you find the area of each triangle.
- Build several triangles with this property. Collect data about the vertices and the areas. Look for any patterns and then describe what you observed about the area and the vertices.