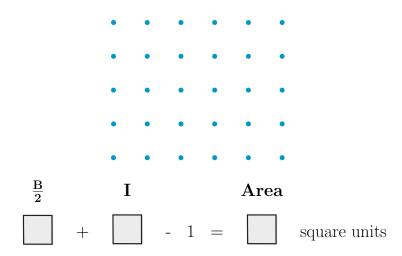
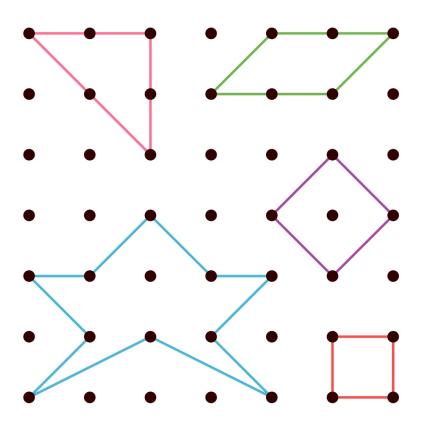


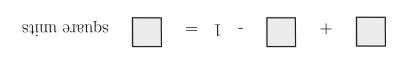
Now draw your own shape, and calculate the area!

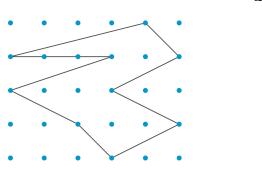


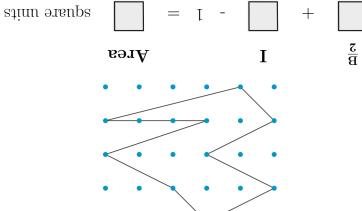


Geoboards & Pick's Theorem

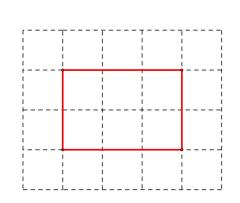
Area



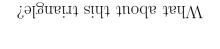


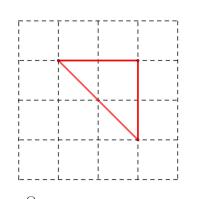


squares, or otherwise? Can you calculate the area of this rectangle by counting the



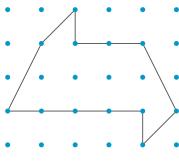
 $\mathbf{Area} = \mathbf{a}$ stinn ərsups





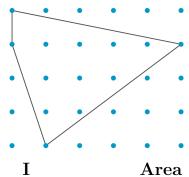
$$Area =$$
 square units

Now try some yourself!



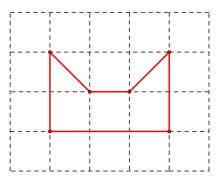
 $\frac{\mathrm{B}}{\mathrm{2}}$ I Area

+ - 1 = square units



+ - 1 =

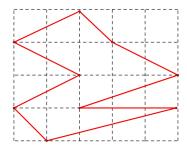
square units



Area = square units

.

But it's much harder to find the area of unusual shapes, like this one:

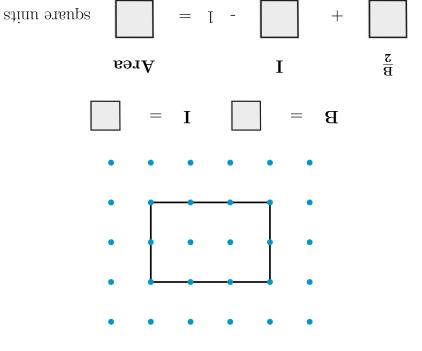


I wonder if there is an easier way to find the area of more complex shapes?

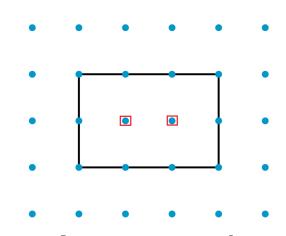
6

A mathematician called Georg Alexander Pick discovered something special about shapes on geoboards...

Let's try a shape together:



When you make a shape on a geoboard, the points inside the shape are called **interior points**.



The points that the lines pass through are called

