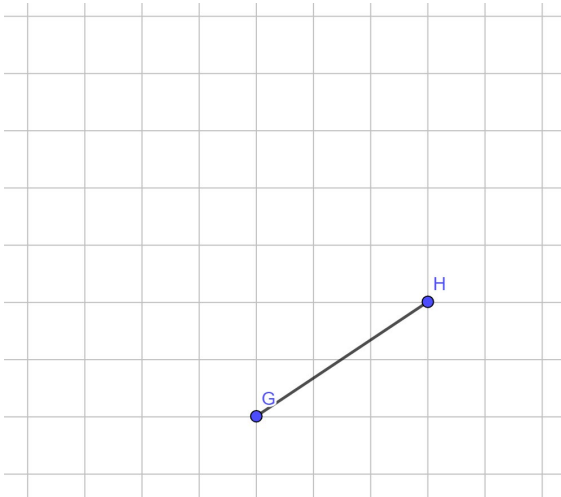
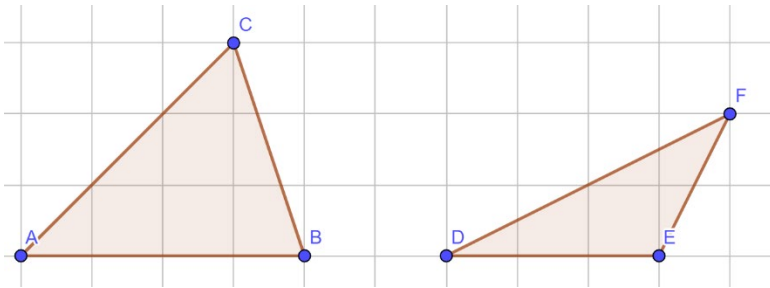


1. On your dot paper, draw several shapes that all have perimeter 16. Which of them has the biggest area you can find? Which has the smallest area? Can you find more than one shape with the biggest area? Can you find more than one shape with the smallest area?
2. Clara says that if a shape has a smaller area then it must have a smaller perimeter. Do you agree or disagree? Why?
3. Draw a square that has \overline{GH} as one of its sides. Make sure that the angles are 90° and the sides are the same length. Show how to find the area of the square without using the Pythagorean theorem



4. Find the perimeters and areas of these shapes:



5. Find the areas of these shapes in two ways: a. by subdividing and adding, and b. by enclosing and subtracting.

