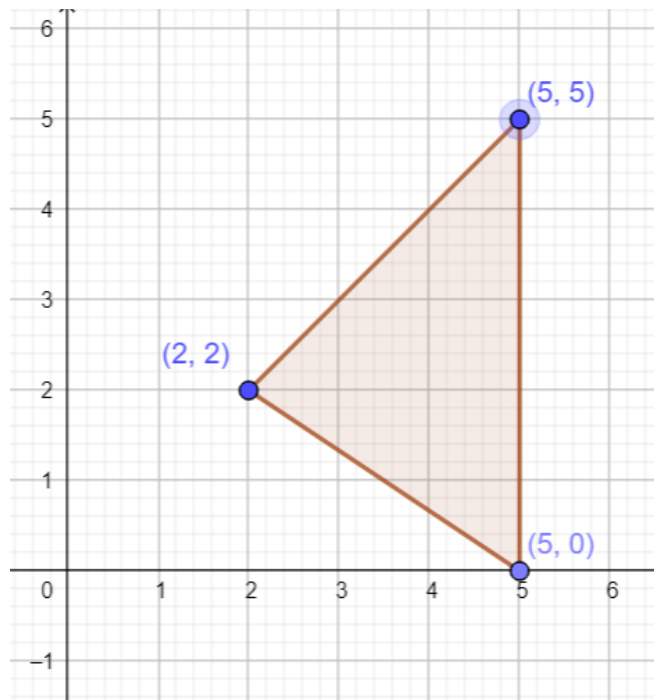




Teaching Geometry for Understanding

Activity

Discuss with your group how to find the area of a triangle.



Extending the Learning

The points $A(-9, 3)$, $B(-4, 3)$ and $C(-4, 10)$ are the vertices of the triangle ABC. Find the area of the triangle ABC.

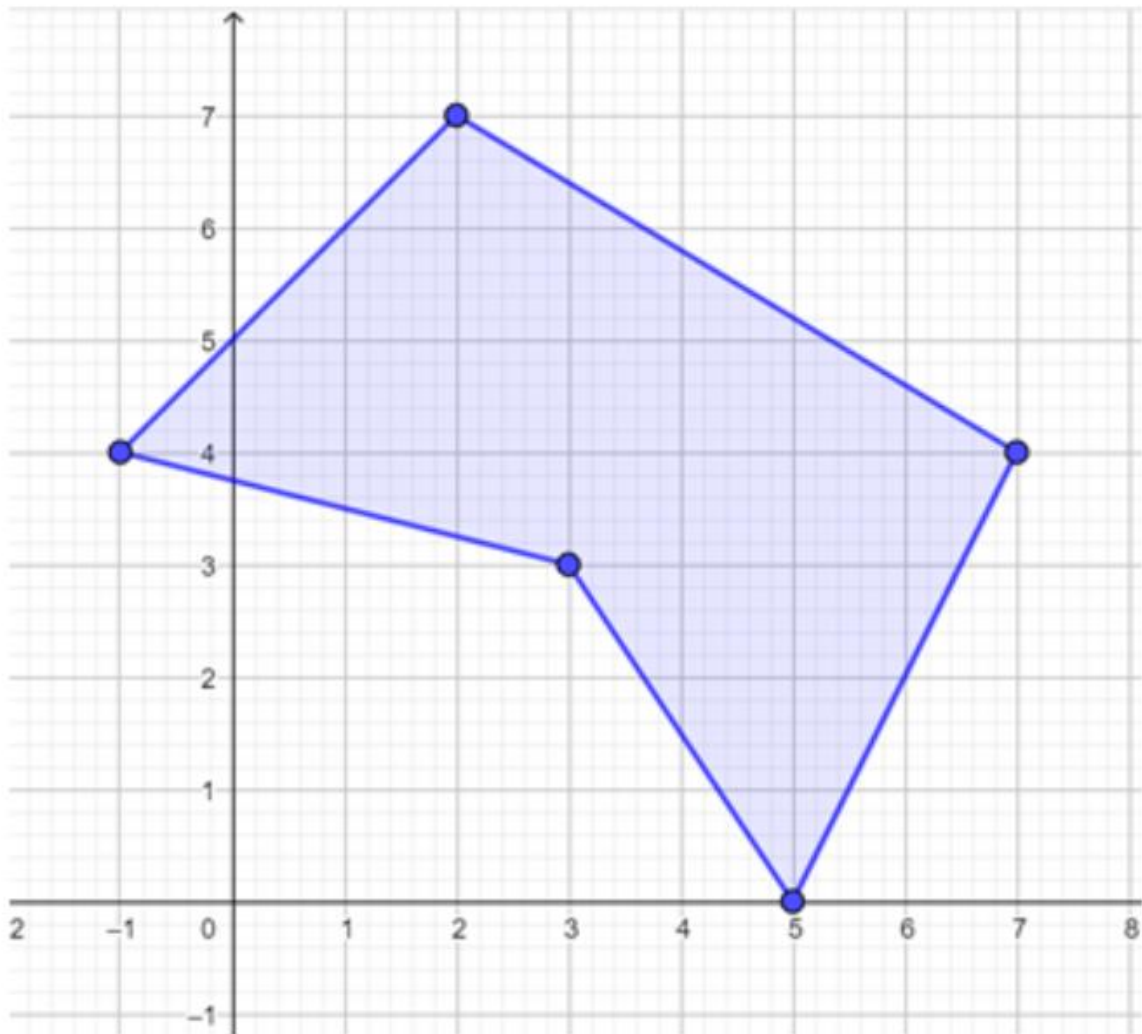


Extension

Find the area of a triangle with vertices $(-3, 4)$ $(4, 2)$ $(6, 10)$.

Task

Using one of the strategies identified above, find the area of the polygon shown below.



Next Steps: Investigating the Hexagon

Key learning: We can apply our strategy to find the area of the hexagon.

Connections: Equilateral Triangles, lines of symmetry.

Sample Questions:

Find the area of the hexagon.

What relationships can you identify?

