





Challenge

- 1. Create the following figures:
 - a. ΔABC with A(-7, 19), B(-15, 7) and C (-2, 7)
 - b. Rectangle DEFG with D(2, 12), E(12, 18), F(15, 13), and G(5, 7)
 - d/ Square HJK/ with H(-9, 7), J(3, -2), K(8, 14), and L(-4, -19)
- 2. Use coordinate geometry to find the perimeter and area of each figure. You may not use a ruler or any other measuring device except to measure the scale of the grid paper you are using.
- 3. Show all of your work in solving this challenge.

Content: I will apply the distance formula to coordinates to determine the area and perimeter of polygons.

Social: I will work well with my group, doing my fair share of the work. Language: I will explain my reasoning clearly verbally to my group members using correct vocabulary.