**Classwork**

For the questions below, use the graph.

1. Plot and draw 

*A* = (0, 0)

*B* = (6, 12)

*C* = (12, 6)

2. State the midpoint formula. Calculate and plot the midpoint *D* of , midpoint *E* of , and midpoint *F* of segment *AC*.

3. Draw the segments connecting each vertex

with the midpoint opposite it. These are the triangle’s *medians*.

4. The medians are concurrent. They intersect in a common point called the *centroid*. How does the centroid divide each median?

*Challenge*

**5.**



**6.**

