Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_

The coordinates of the vertices of polgyon *EFGH* are:

*E* (-5.5, 4) *F* (-2, 8.25) *G* (2.5, 4) *H* (-2, -7.75)

1. Graph the polygon and label the vertices.

**

1. Find the length of each diagonal ($\overbar{EG}$ and $\overbar{FH}$). Show your work clearly or explain how you found the lengths.