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

Amelia is making a drawing to determine the length of a fence needed to go around her garden. Using the given coordinates, draw an outline of her garden (polygon *ABCDEF*) and determine the total length of fencing needed. Show all work neatly and completely to justify your answer.

*A* (6, 3)

*B* (6, -4)

*C* (-10, -4)

*D* (-10, 7)

*E* (-5, 7)

*F* (-5, 3)