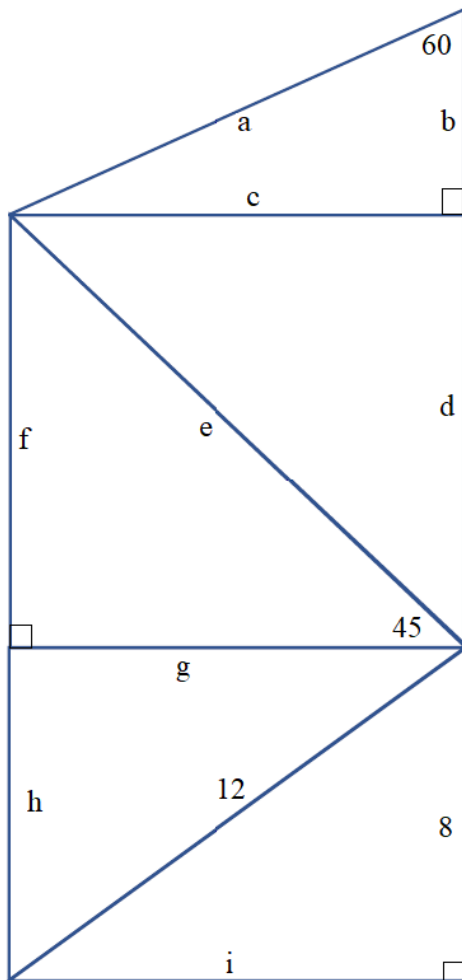


Name _____

Date _____

Laqueisha has made plans for Spring planting. She drew the diagram below in the shape of a trapezoid. LaQiesha's trapezoidal region has been broken into 5 triangular garden plots whose sides have been labeled with letters **a** thru **i**. Sides of lengths **8 yards** and **12 yards** given.

LaQueisha also noted the measures of 5 angles in her newly planned garden plots. Your mission, along with your new seatmates, is to find the lengths of the missing sides. Be able to justify each step.



a	b
c	d
e	f
g	h
i	