A company distributes college logo sweatshirts and sells them for $50 each. The total cost function is linear, and the total cost for 100 sweatshirts is $4360, while the total cost for 250 sweatshirts is $7060.

a. Write the equation for the revenue function.

b. Write the equation for the total cost function.

c. Find the break-even point.

d. Graph the revenue and cost functions and label the loss and profit regions.