Suppose a stereo receiver manufacturer has the total cost function

\[ C(X) = 105X + 1650 \]

and the total revenue function

\[ R(X) = 215X \]

a. Find \( C(15) \) and write a sentence that explains its meaning.

b. What is the equation of the profit function for this commodity?

c. What is the profit on 50 items?

d. How many items must be sold in a month to avoid losing money?