

## **MODIFIED QUESTION 2**

2. (9 marks) The Milo Company manufactures olives. The marginal cost to make a jar of olives is \$2, and the company sells them for \$5. The total cost to make 10 jars is \$320.
- a) Find the cost function  $C(x)$ , given that it is linear.
  - b) How many jars must they sell in order to break even?
  - c) How many jars must they sell in order to make a profit of \$5700?