F-IF The Parking Lot

Task

A parking lot charges $0.50 for each half hour or fraction thereof, up to a daily maximum of $10.00. Let $C(t)$ be the cost in dollars of parking for t minutes.

a. Complete the table below.

t (minutes)	$C(t)$ (dollars)
0	
15	
20	
35	
75	
125	

b. Sketch a graph of C for $0 \leq t \leq 480$.

c. Is C a function of t? Explain your reasoning.

d. Is t a function of C? Explain your reasoning.