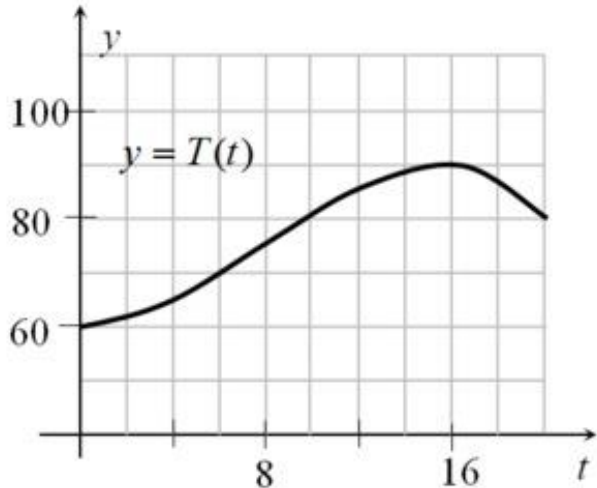The figure shows the graph of T, the temperature (in degrees Fahrenheit) over one particular 20-hour period in Nashville as a function of time t.

a) Estimate $T(14)$.

b) If $t = 0$ corresponds to midnight, interpret what $T(14)$ means in words.

c) Estimate the highest temperature during this period from the graph.

d) If Ms. Bolus wants to go for a two-hour hike and return before the temperature gets over 80 degrees, when should she leave?

You put a yam in the oven. After 45 minutes, you take it out. Let $f(t)$ be the temperature (in degrees Fahrenheit) of the yam t minutes after you placed it in the oven.

In a – e, explain the meaning of the statement in everyday language

a) $f(0) = 65$

b) $f(42) = 125$

c) $f(5) < f(10)$

d) $f(40) = f(45)$

e) $f(45) > f(60)$

f) **Estimate $f(55)$. Explain your reasoning.**