6. Suppose $H(c)$ gives the average temperature, in degrees, that can be maintained in Oscar's apartment during the month of December as a function of the cost of the heating bill, $c$, in dollars. In complete sentences, give a practical interpretation of the following:
(a) (3 points) $H(50)=65$
(b) (3 points) $H^{\prime}(50)=2$

Suppose $T(t)$ gives the temperature in Oscar's apartment on December 18 th in ${ }^{\circ} \mathrm{F}$ as a function of the time, $t$, in hours since 12:00 midnight. Below is a graph of $T^{\prime}(t)$ : (NOTE: the graph is of $T^{\prime}(t)$.)

(c) (6 points) When Oscar gets home from work at 6 pm the temperature in his apartment is 67 degrees. What was the temperature when he left for work at 8 am ?
(d) (4 points) If the temperature at 6 pm is 67 degrees, what is the minimum temperature in the apartment on December 18th?

