



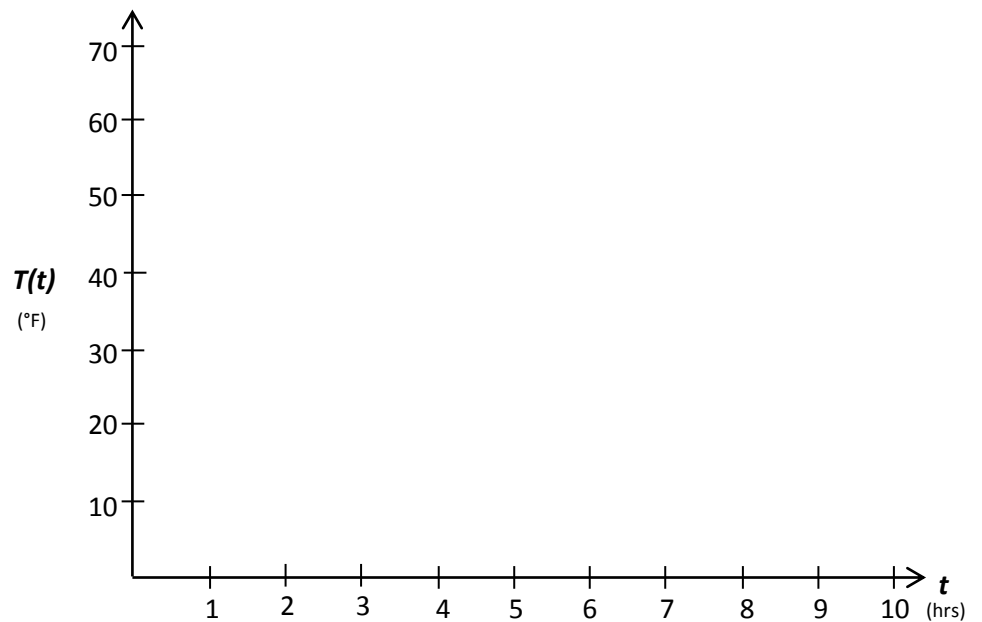
THE FREEZER

The temperature T of food put in a freezer is modeled by the function $T(t) = 700 \cdot (t^2 + 4t + 10)^{-1}$ where t is the time in hours and T is in degrees Fahrenheit.

1. Complete the table (nearest tenth).

t	0	1	2	3	4	5	6	7	8	9	10
$T(t)$											

2. Graph the function $T(t)$.



3. Find the rate of change of temperature T with respect to time t at $t=1$, $t=3$, $t=5$, and $t=10$. (Answer to the nearest tenth and write the units.)