## Examples 1.1 - Average Rate of Change

Let $T(t)$ be the air temperature in degrees Fahrenheit between 6 A.M. and 8 P.M. where $t$ is hours after noon. Suppose $T(2)=80$ and $T(6)=62$.

1. Sketch a graph of the given data points and mark and label the net changes $\Delta T$ and $\Delta t$.

## Solution:


2. Describe the meanings of the expressions $T(2)=80$ and $T(6)=62$ in words with units.

## Solution:

3. Find $\Delta T$ and $\Delta T / \Delta t$ on the interval $[2,6]$, and describe the answers in words with units. Solution:
4. What can be said about the temperature at 4:00 P.M.?

## Solution:

