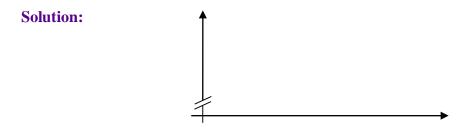
Examples 1.1 – Average Rate of Change

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 ΔT and Δt .



- 2. Describe the meanings of the expressions T(2) = 80 and T(6) = 62 in words with units. Solution:
- 3. Find Δ*T* and Δ*T*/Δ*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: