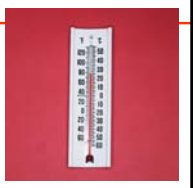
Comments on Homework



- Temperature conversion
  - $T\ (°R) = T\ (K) \times 1.8$
  - $T\ (°C) = T(K) + 273.15$
  - $T\ (°F) = T(°R) + 273.15$
- However, difference in temperature is:
  - $\Delta T\ (°C) = \Delta T\ (K)$
  - $\Delta T\ (°F) = \Delta T\ (°R)$
  - $\Delta T\ (°R) = 1.8 \times \Delta T\ (°C)$

Fatherly Advice

- Don't get behind!
- Draw pictures of process
  - Try not to take shortcuts
  - Work efficiently
- We will not be using E-Z Solve
  - We have Mathcad and Excel
- There is a lot of reading in the workbook on Problem 4.11, but it is worth it!!
  - Workbook required on all starred problems
- The author throws in some "think about it" problems
  - This coincides with a college initiative on innovation
  - Have fun with it; use engineering intuition

Outline for Class 6

- Define "Independent Equations"
- Define "Other Relations"
- Degree of Freedom Analysis (DOF)
  - Procedure
  - Examples
- Please write in the front cover of your book:

ρ_{H2O} = 1 g/cm^3 = 1000 kg/m^3 = 62.4 lb$_m$/ft^3 = 1 kg/liter