{Problem 1}

humidity_relative=0.40
temp_dry=38[C]
P=14.696***convert**(psia, kPa)

enthalpy=**enthalpy**(***AirH2O***,***P***=P,***T***=temp_dry,***R***=humidity_relative) {Enthalpy: enthalpy = 81.17 kJ/kg}
temp_wetBulb=**wetbulb**(***AirH2O***,***P***=P,***T***=temp_dry,***R***=humidity_relative) {Wetbulb Temperature: temp_wetBulb = 26.27 C}
temp_dewPoint=**dewpoint**(***AirH2O***,***P***=P,***T***=temp_dry,***R***=humidity_relative) {Dewpoint Temperature: temp_dewPoint = 22.05 C}
volume_specific=**volume**(***AirH2O***,***P***=P,***T***=temp_dry,***R***=humidity_relative) {Specific Volume: volume_specific = 0.9051 m^3/kg}
humidity_specific=**humrat**(***AirH2O***,***P***=P,***T***=temp_dry,***R***=humidity_relative) {Specific Humidity: humidity_specific = 0.01672}

SOLUTION
Unit Settings: SI C kPa kJ mass deg

enthalpy = 81.17
$humidity_{specific}$ = 0.01672
$temp_{dewPoint}$ = 22.05
$temp_{wetBulb}$ = 26.27
$humidity_{relative}$ = 0.4
P = 101.3 [kPa]
$temp_{dry}$ = 38 [C]
$volume_{specific}$ = 0.9051

4 potential unit problems were detected.