{Question #2}

{Part A}
P_1=14.7***convert**(psi, kPa)
TSat_1=**converttemp**(C, F,**t_sat**(***Water***,***P***=P_1)) {Saturation Temperature: TSat_1 = 212 F}

{Part B}
P_2=24.58***convert**(inHG, kPa)
TSat_2=**converttemp**(C, F,**t_sat**(***Water***,***P***=P_2)) {Saturation Temperature: TSat_2 = 202.2 F}

{Part C}
P_3=30[kPa]
TSat_3=**converttemp**(C, F, **t_sat**(***Water***,***P***=P_3)) {Saturation Temperature: TSat_3 = 156.4 F}

SOLUTION
Unit Settings: SI C kPa kJ mass deg

P_1 = 101.4 [kPa]	P_2 = 83.24 [kPa]	P_3 = 30 [kPa]
$TSat_1$ = 212 [F]	$TSat_2$ = 202.2 [F]	$TSat_3$ = 156.4 [F]

No unit problems were detected.