EES Ver. 10.835: #1867: For use by students and faculty, College of Engineering, University of Oklahoma, Stillwater, OK

## {Question #1}

g=9.81[m/s^2] A=0.01[m^2] m=50[kg] P\_atm=1[bar]

P=P\_atm+((m\*g)/A)\*convert(Pa, bar) {Pressure: P = 1.491 bar}

## SOLUTION

## Unit Settings: SI C kPa kJ mass deg

 $A = 0.01 \text{ [m}^2\text{]}$   $g = 9.81 \text{ [m/s}^2\text{]}$  m = 50 [kg] P = 1.491 [bar]

No unit problems were detected.