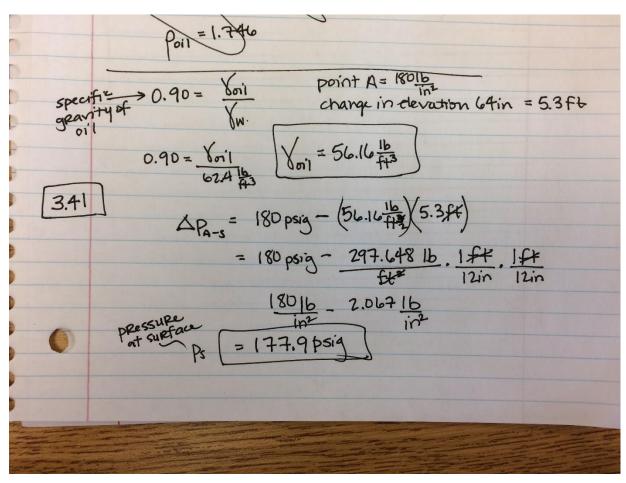
Becca Sopher

Homework 1.3

Due: 9.19.2017



3.83 A barometer indicates the atmospheric pressure to be 27.56 in of mercury. Calculate the atmospheric pressure in psia.

ymh = patm

\(\frac{1}{1728 \text{ in}} = \frac{13.54 \text{ lb} \text{ in}^2}{1728 \text{ in}^2} = \frac{13.54 \text{ lb} \text{ lb} \text{ in}^2}{1728 \text{ in}^2} = \frac{13.54 \text{ lb} \text{ lb} \text{ in}^2}{1728 \text{ in}^2} = \frac{13.54 \text{ lb} \text{ log}}{1728 \text{ log}} = \frac{13.54 \text{ lb}}{1728 \text{ log}} = \frac{13.54

3.90 The pressure in a vacuum chamber is -98.2 kPa. Express this pressure in mmflg.

1.0 mm Hg = 133.3 Pa 133.3 Ra, 1 kRa = 0.1333 kPa

1333金

= 1 KPa

7.501875mmHg=1 kPa

3.94 Passive solar water heater to be installed - and of 11.

