**HomeWork 12**

**Due Friday 10/30/15**

**Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_/6**

**Given: 1 atm = 760 mm Hg = 760 torr = 15 psi**

***Round answers to 2 sig figs***

**1) How many torr in 0.01316 atm ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_torr**

**2) How many psi in 253.333 torr ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ psi**

**3) How many atm in 1.5 psi ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ atm**

**4) What are the four variables used to describe gas behavior ?**

**(use symbols)**

**5) Charle’s law holds what gas variables constant ?**

**6) Provide an equation that captures Boyle’s law**