Name	New Age Name		
Show your work, round to the correct significant When you have finished this, go to the website and chec $(1 \text{ atm} = 1.013 \text{x} 10^5 \text{ Pa} = 101.3 \text{ kPa} = 140.0 \text{ kPa})$	ck your answers. If you	got a problem wrong, cross it	off on the front, and do it correctly on the back
1. Convert 1340. Torr absolute to gauge	pressure psi.	Convert 87.3 kpa gau	ige to Torr absolute
2. Fred has 1.65 mols of methane gas at	87.2 °C at 56.3 k	Pa (1 kPa = 1000 Pa).	What is the volume it occupies?
3. Maryland has 217 grams of Neon (mo Pa. What must the temperature be in <u>C</u>		-	ers at gauge pressure of 6.97x10 ⁴
4. An aerosol can is at an absolute press lower its temperature to 77.0 K, what is a (Assume it does not leak, and the volume	the new pressure	e in Boogalas? (1000 i	
5. A Helium tank contains 3.42 kg of he pressure when you have released 1.13 kg.	_	gauge pressure of 145	psi. What will be the gauge