Thermodynamics 3rd HW

Chapter 2:
Conceptual Questions:
3.1C, 3.2C, 3.6C, 3.13C, 3.16C, 3.17C, 3.65C
3.23 (use 0.5 not 0.05 for the first specific volume), 3.41, 3.43, 3.45, 3.88, and

Calculate the reduced temperature for 140K air. Plot the compressibility factor, Z, for air at this temperature using the Beattie-Bridgeman equation of state for your improvement to the ideal gas law.