**Homework #5: Chemistry 1013 Spring 2012**

 **Due Wednesday 29 February 24 pts**

**5.1. Draw the bond line versions of the organic compounds below (2 pts each)**



**a)CH3 -CH2 -CH2 –OH b) CH2-CH2 c)**

 **| |**

 **CH2-CH2**

**5.2 Given the bond line forms below, write chemical formula for the molecule drawn (2 pt each)**

**Example: = C4H10**





1. **b) c)**





**5.3 Draw the best structures for the molecules and ions below: (2 pts each)**

1. H3PO3 (all O attached to P, each H is attached to one O)
2. AsF5 (all 5 F are attached to As which is at the center of the molecule)
3. BrO3- (all O are attached to a central Br. Note that the compound here is an anion with one extra electron)

**5.4. Describe the shapes of the simple molecules below (2 pts each)**

1. **:NH3 b) H2O c) CH4**

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