1. Give the correct IUPAC and common (where indicated) name for each of the following compounds.

Compound IUPAC Name Common Name

a. (CH3CH2)4C 3,3 – diethylpentane -----

Br

b.

c. CH3CH2OCH3 ethyl methyl ether methoxyethane

d.

OH

e.

NH2

2. Each of the following IUPAC names is incorrect. Draw a line angle structure for each of the compounds and give the correct IUPAC name.

a. 2,2 dimethyl-4-ethylheptane

b. 1-ethyl-2,6-dimethylcycloheptane

c. 2-methyl-2-isopropylheptane

d. 1,3 – dimethylbutane real name 2-methylpentane

3. Redraw structure “c” in question 2, label each carbon as primary, secondary, tertiary, or quaternary using the # notation.