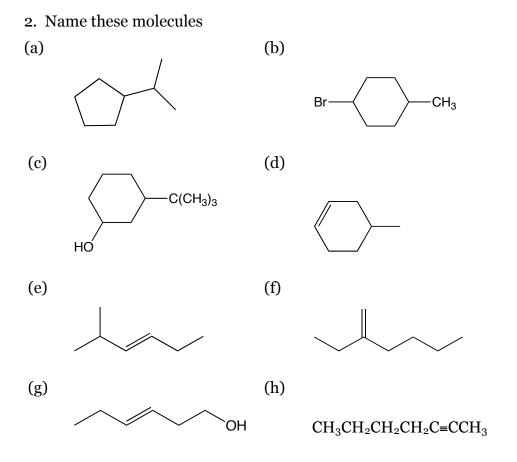
CHM 235R	Dr. Hascall	Spring 2013
Recitation Week 6		2/20/13
1. Draw the molecules v	vith these names:	
(c) 1-octen-7-yne	(d) <i>cis</i> -3-hexene	(e) trans-3-hexene



3. How many degrees of unsaturation would a molecule with each of these formulas have? Draw or name an example of a compound with each formula.

(a) C_6H_{12} (b) C_4H_6 (c) $C_{10}H_{22}$

(d)
$$C_4H_8O$$
 (e) $C_5H_8Cl_2$

4. The following compounds have been named incorrectly. Draw each molecule, and then give its <u>correct</u> IUPAC name.

(a) 4-bromo-3-pentanol

(b) 5-methylcyclohexanol

(c) 2-ethylpentane

(d) 2-methyl-2-penten-4-ol

(e) 5-(2,2-dimethylethyl)decane

5. Draw Newman projections looking down the C_2-C_3 bond showing the most stable conformations of each of the following:

(a) propane

(b) butane

(c) pentane

(d) 2-methylbutane