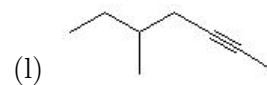
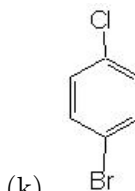
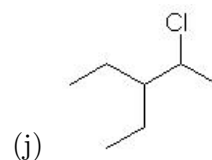
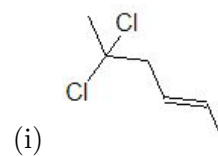
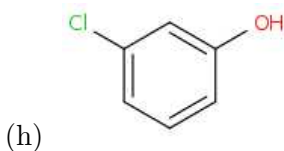
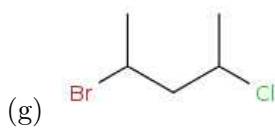
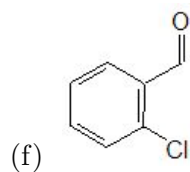
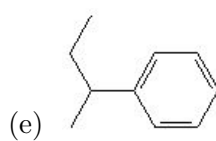
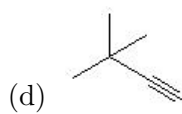
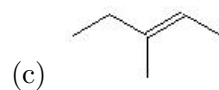
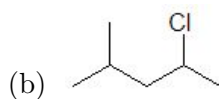
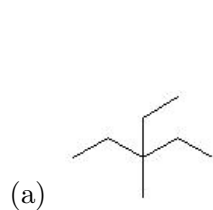


Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

[24 pt] 1. Give the IUPAC name of the following molecules



(a)

(g)

(b)

(h)

(c)

(i)

(d)

(j)

(e)

(k)

(f)

(l)

[20 pt] 2. Draw the following organic molecules:

(a) 3-heptene

(f) benzaldehyde

(b) 2-hexyne

(g) toluene

(c) p-bromobenzoic acid

(h) 2,2-dimethylbutane

(d) 2,2,3-trimethyl-4-nonyne

(i) 4-propyloctane

(e) 3-phenyl-1-pentene

(j) 2,2-dibromo-3-chloro-6,6-diethyl-4,5-dimethyldecane

[30 pt] 3. Complete the following reactions in the format given. Assume all substitution reactions are monosubstitutions only. Circle the favored product in a reaction. Include states where appropriate. Be sure to balance any combustion reactions. If no reaction occurs put NR for the products.

