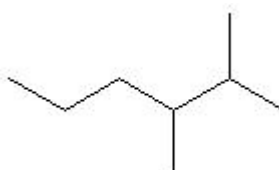
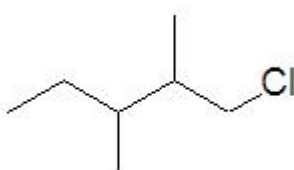
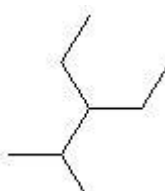
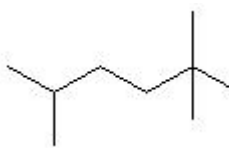
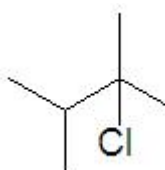


Name: \_\_\_\_\_

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

[20 pt] 1. Name the following molecules using IUPAC nomenclature:

(a) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$	(b) $\text{CH}_3(\text{CH}_2)_7\text{CH}_3$
(c) $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CH}_3$	(d) $\text{CH}_3\text{CHClCH}_2\text{CH}_2\text{CHBrCH}_3$
(e) $\text{CH}_3\text{CHClCH}_2\text{CHClCH}_2\text{CH}_3$	(f) 
(g) 	(h) 
(i) 	(j) 

**CHE 102 - Homework - Ch 19b**  
**Naming and Drawing Alkanes and Alkyl Halides**

[20 pt] 2. Draw the following molecules using Lewis Structure or Line Drawings:

(a) 3-methylheptane	(b) 2,3-dimethylbutane
(c) 1,3-dichloro-2-methylhexane	(d) 4-chloro-3-ethyl-2-methyloctane
(e) 4-ethyl-2,2-dimethylhexane	(f) 2,2-dimethylpentane
(g) 2,2-dichloro-3-iodohexane	(h) 2,2-dibromo-3-ethyloctane
(i) 4-chloro-3,3-dipropyldecane	(j) 4-ethyl-2-methylhexane