1a) Well, this one probably took you a bit of searching in the textbook. Properly, it would be named **2,2-dimethylbutanal**.
   
b) **1,1,3-trimethylcyclohexane**

c) **trans-1,3-dimethylcyclopentane**

d) This one was a bit tough too. It would be properly named: **1-ethyl-4-(1-methylethyl)benzene** although one might also call it **4-ethyl isopropylbenzene**.

2) Here are the structures:

- a)

- b)

- c)

- d) 