MAD ORG. CHEM. MIN. #7

 LAST NAME
 FIRST NAME

 SS#______
 Circle SECTION: M/W or T/Th

Determine the number of nonequivalent sets of protons and label each set (a, b, etc.). Predict the multiplicity of each signal (i. e., how many peaks is each signal split into) for each set of protons in the ¹H NMR of each compound.

$$\begin{array}{c} \text{CH}_3\\ \text{C. } \text{CH}_3\text{-CH-CH-CH}_3\\ \text{CH}_3 \end{array}$$

D.
$$CH_3CH_2CH_2$$
 C CH_3

$$\begin{array}{c} \text{NH}_2\\ \text{I}\\ \text{E.} \quad \text{CH}_3\text{-CH-CH}_3 \end{array}$$