

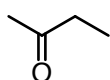
Quiz 5c

Name:

Signature

The following quiz will start 5 minutes into recitation and you will have 30 minutes to complete it. Good luck!

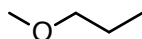
1. For the following two questions, refer to the isomers below (8 points, 4 points each)



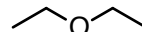
(a)



(b)



(c)



(d)

1a. Which molecule(s) would have peaks that show up as quartets by ^1H NMR _____

1b. Which molecule(s) would have 2 sets of equivalent protons? _____

2. Show a molecule with the molecular formula $\text{C}_5\text{H}_{10}\text{O}_2$ that is consistent with the following spectra (12 points).

