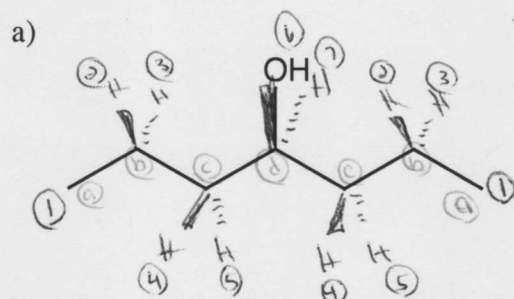


1. Indicate the number of peaks that the ^1H and ^{13}C -NMR spectra of each of the following molecules would contain?



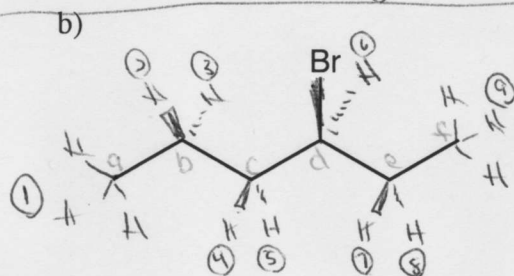
^1H -NMR

^{13}C -NMR

7

4

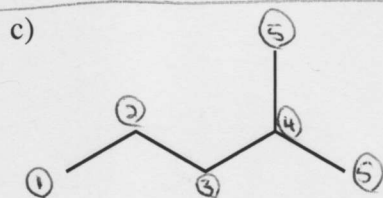
{5 - 1/2 credit}



9

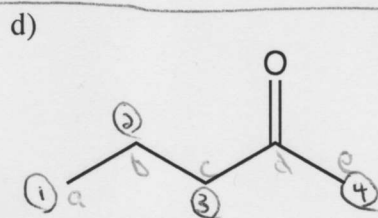
6

1/2 credit for 6



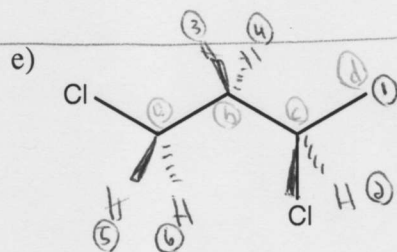
5

5



4

5



6

4

1/2 credit for 4