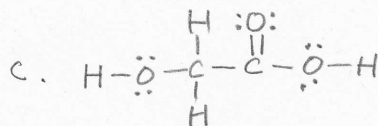
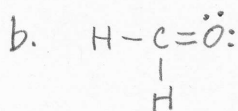
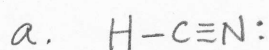
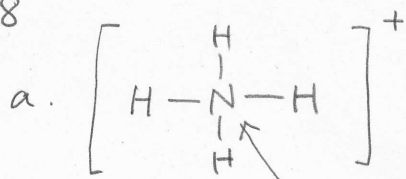


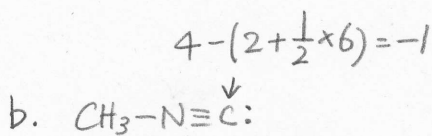
1.7



1.8

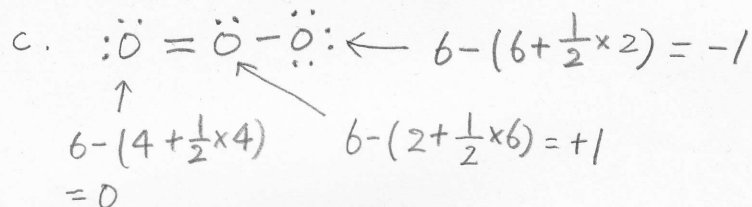


$$5 - (0 + \frac{1}{2} \times 8) = +1$$



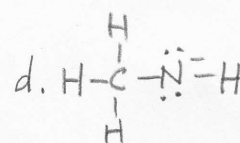
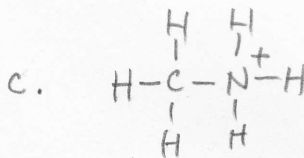
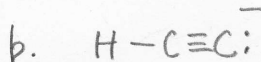
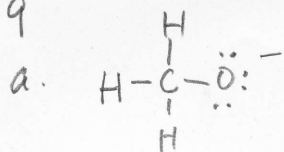
$$4 - (0 + \frac{1}{2} \times 8) = 0$$

$$5 - (0 + \frac{1}{2} \times 8) = +1$$



$$6 - (2 + \frac{1}{2} \times 6) = +1$$

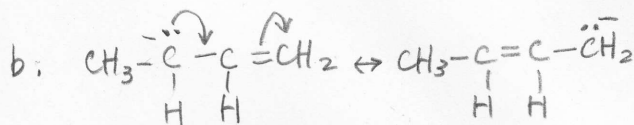
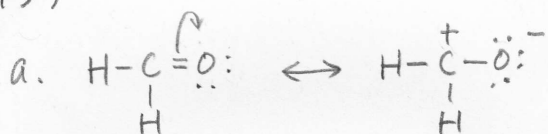
1.9



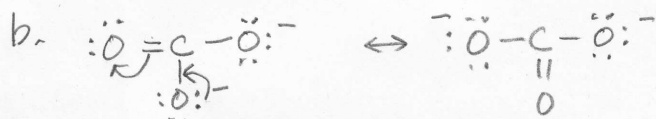
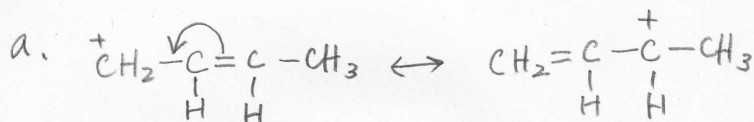
1.12

a. A & B
resonanceb. A & C
neitherc. A & D
isomerd. B & D
isomer

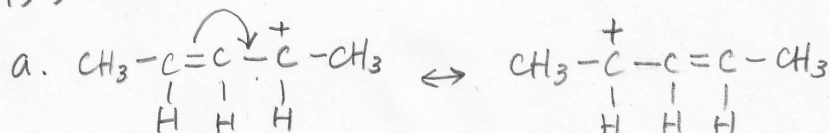
(1.13)

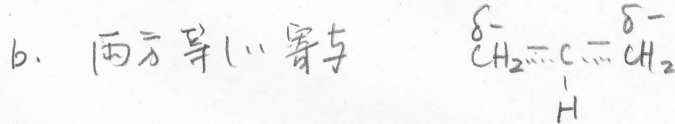
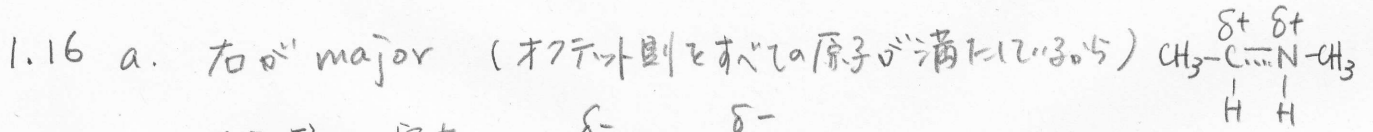
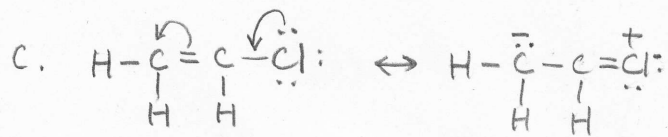
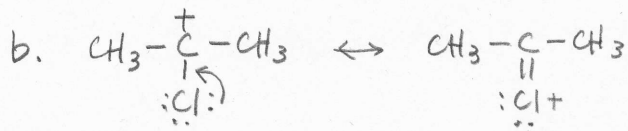


1.14

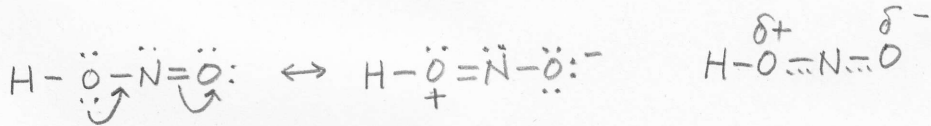


(1.15)

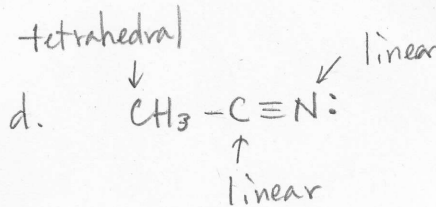
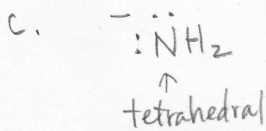
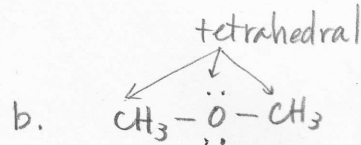
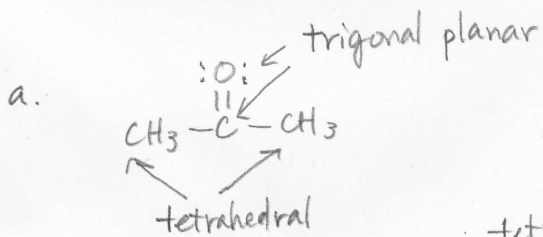




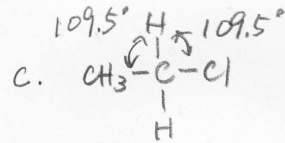
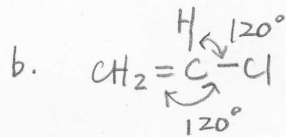
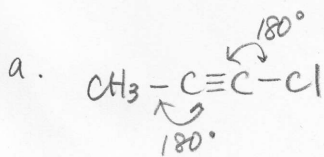
1.17



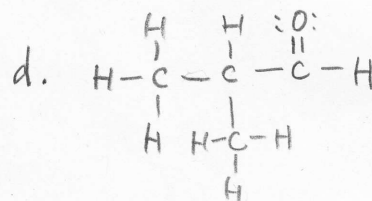
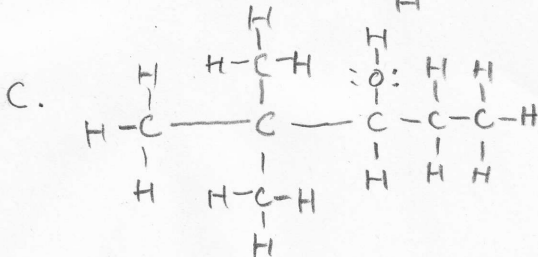
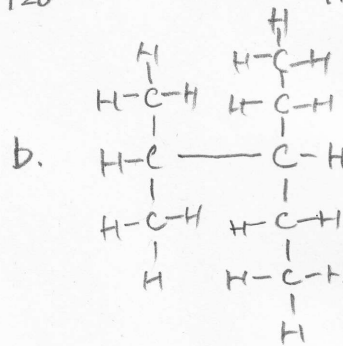
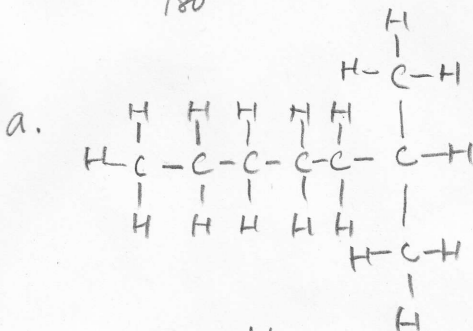
1.19



1.20



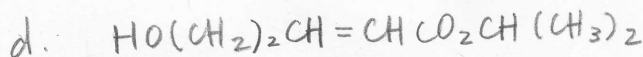
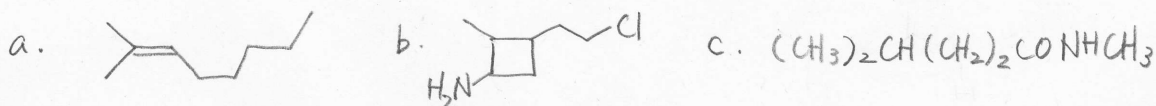
1.22



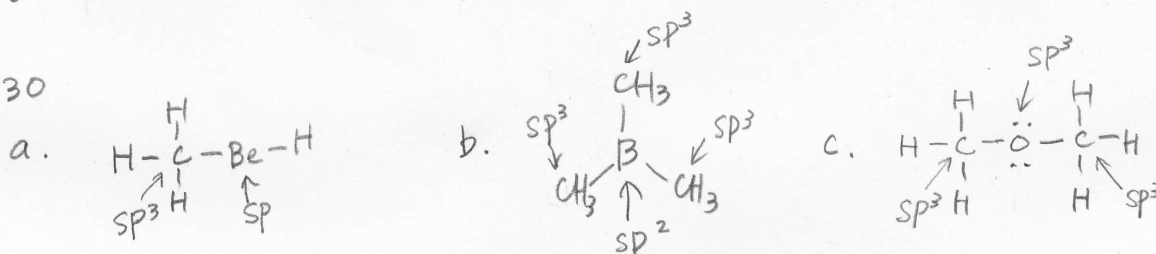
(1.27)



1.28

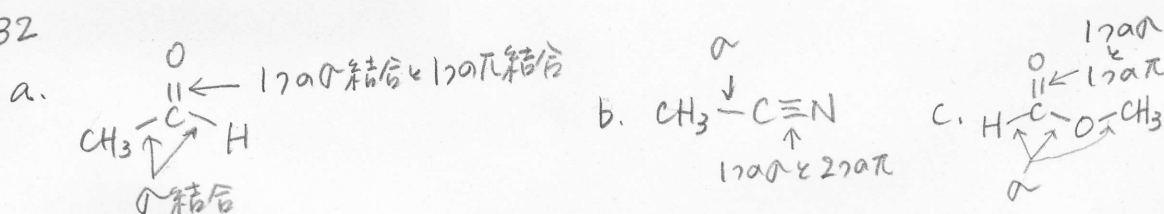


1.30

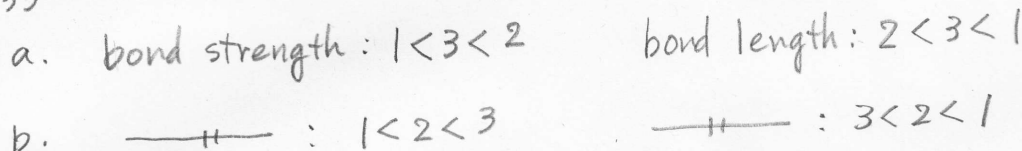


(「ほぐれ」説明を省いて「ほぐれ」の「I」として「ほぐれ」)

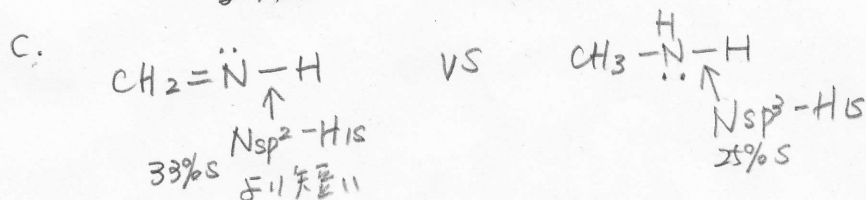
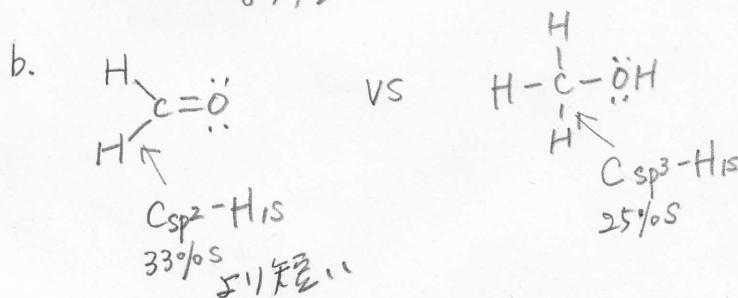
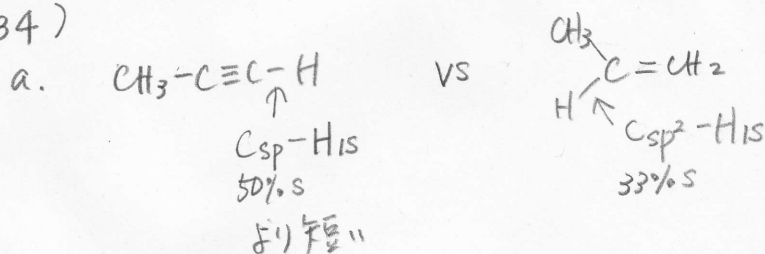
1.32



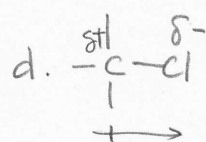
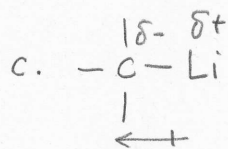
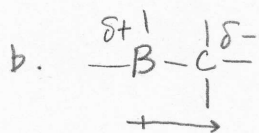
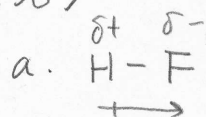
1.33



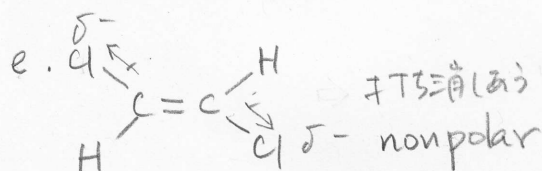
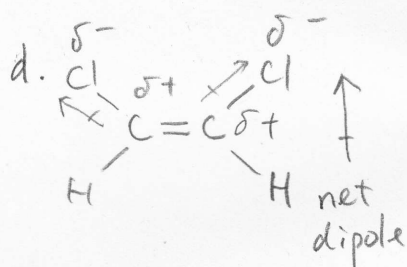
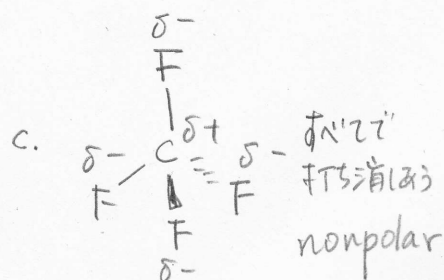
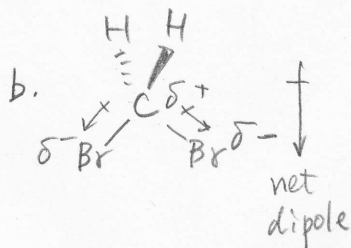
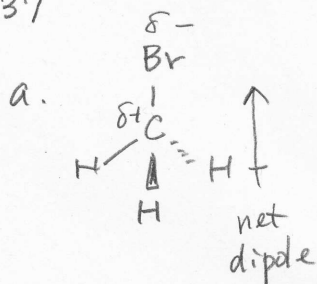
(1.34)



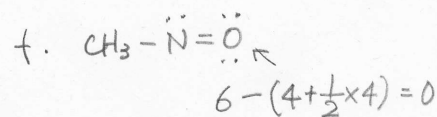
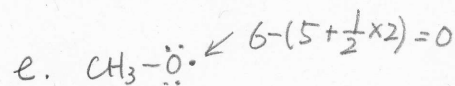
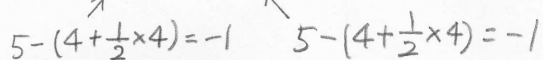
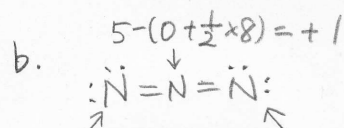
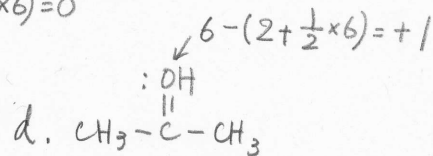
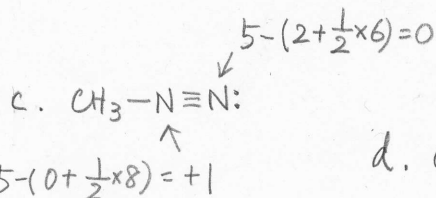
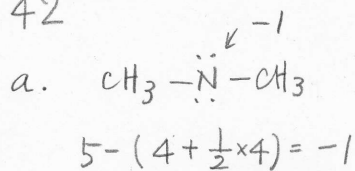
(1.36)



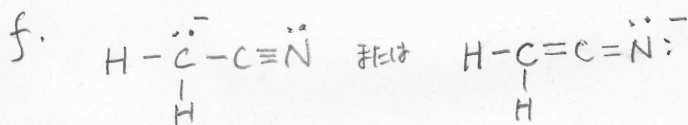
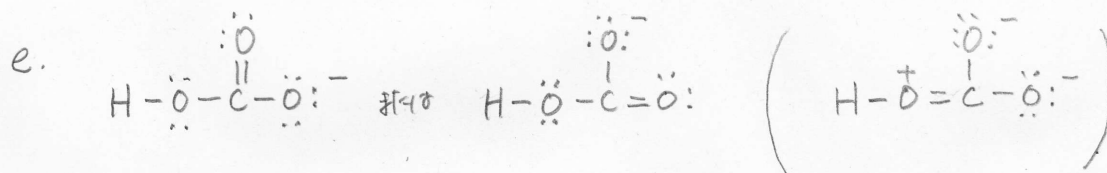
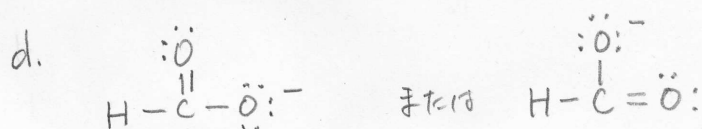
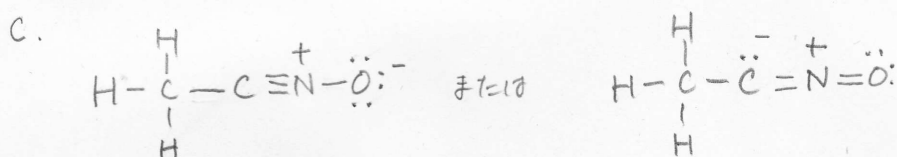
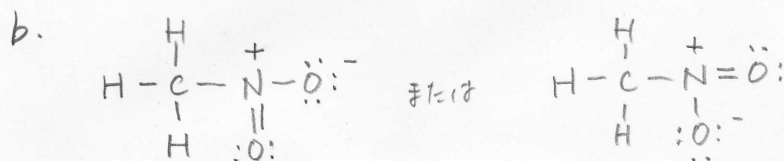
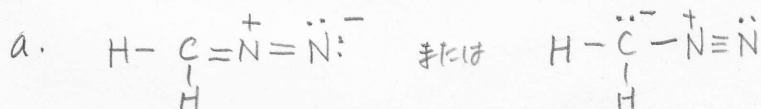
1.37



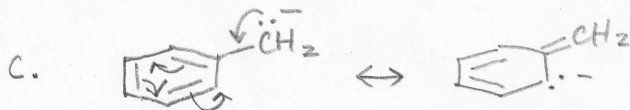
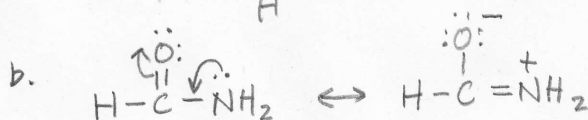
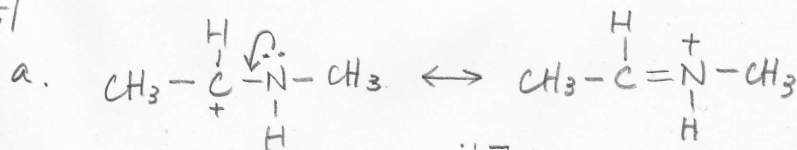
1.42



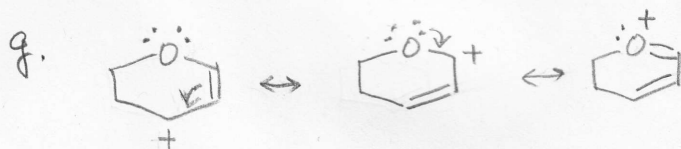
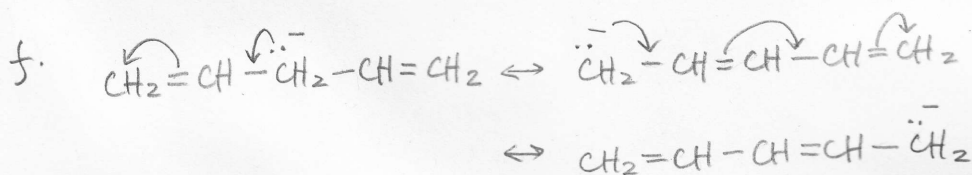
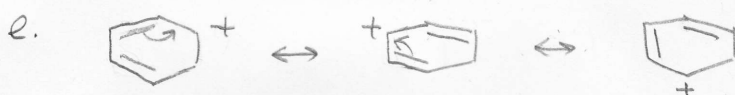
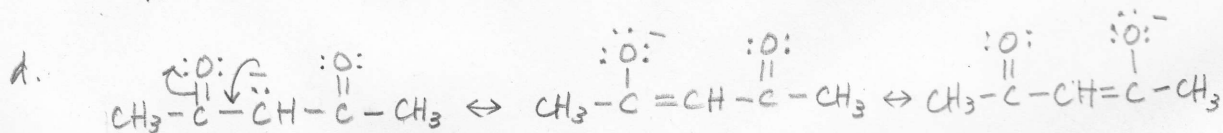
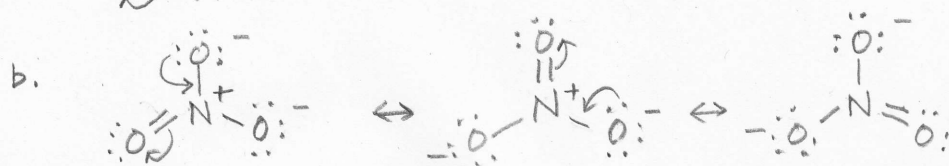
1.43



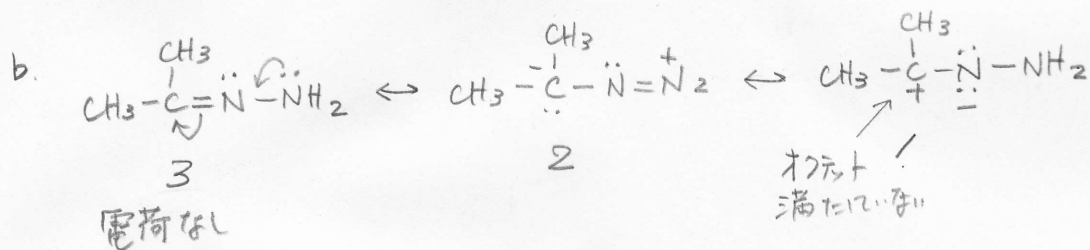
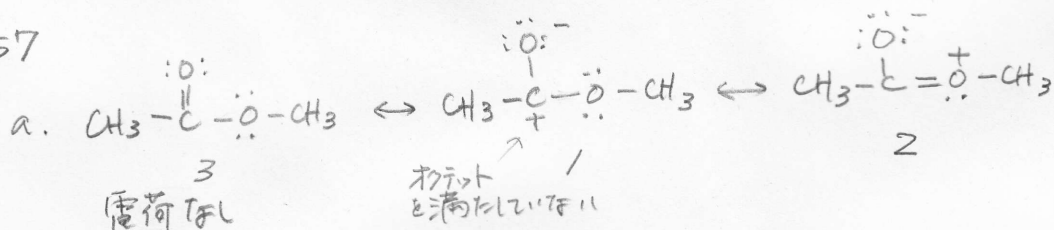
1.51



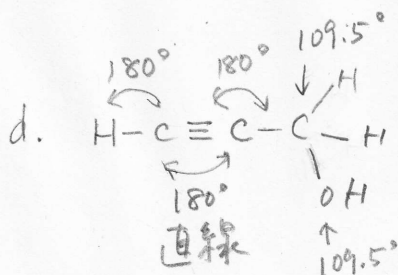
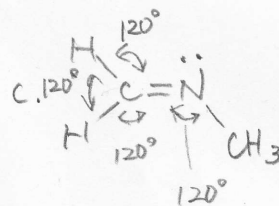
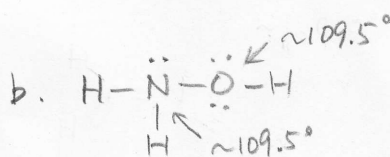
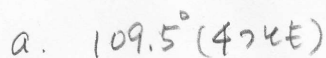
1.55



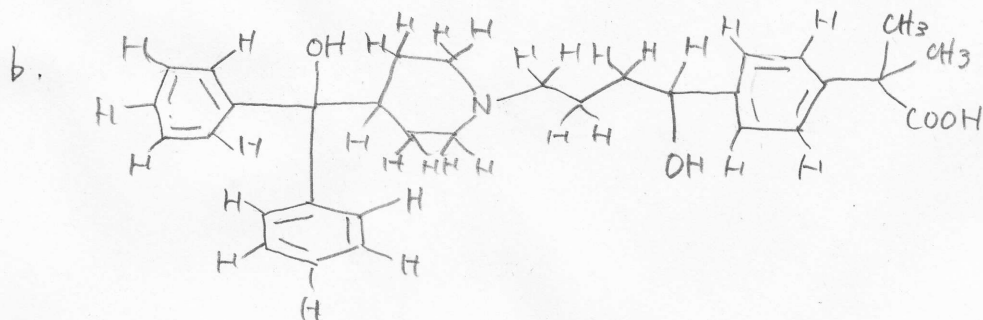
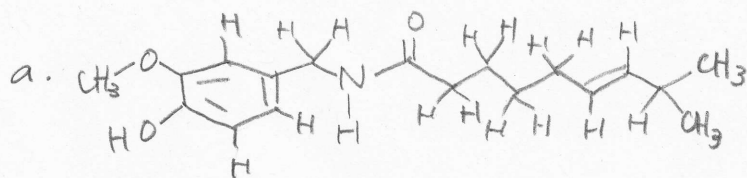
1.57



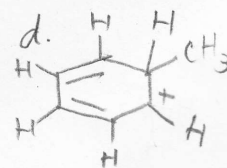
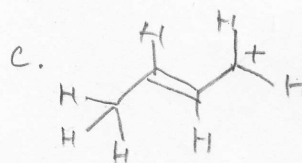
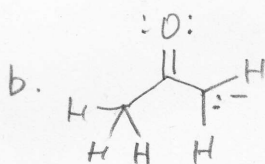
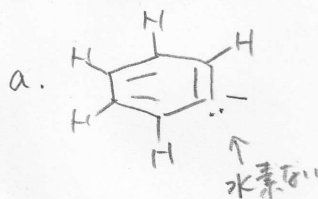
1.59



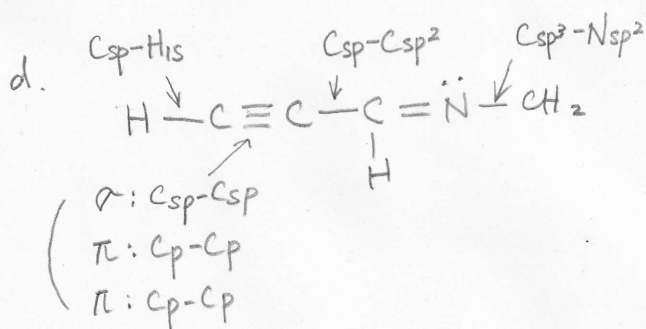
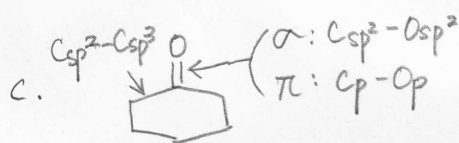
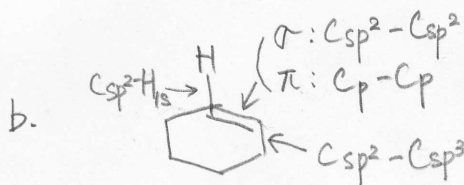
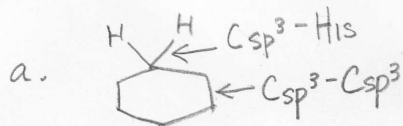
1.62



1.66

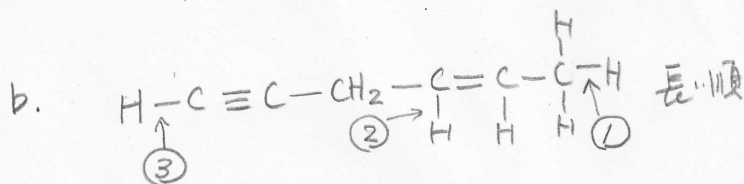


1.70

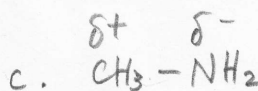
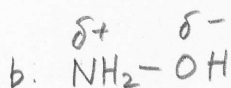
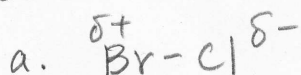


1.74

a. 一番右のCが一番長い
一番左のCが一番短い

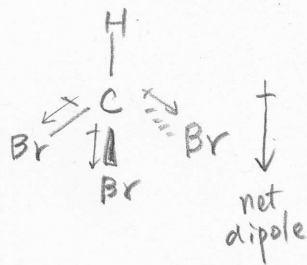


1.80

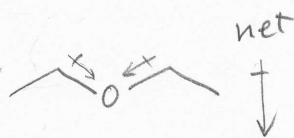


1.81

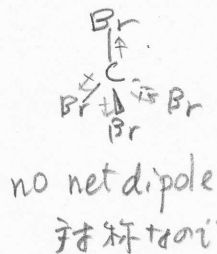
a.



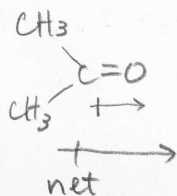
b.



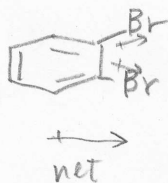
c.



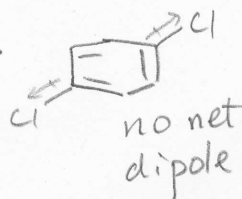
d.



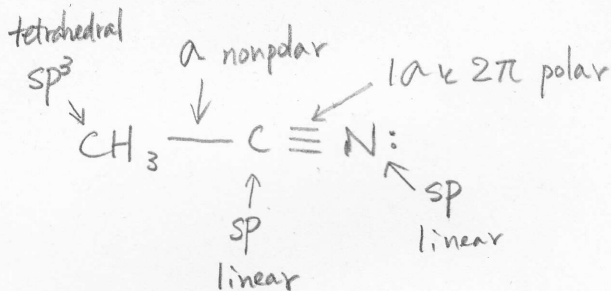
e.



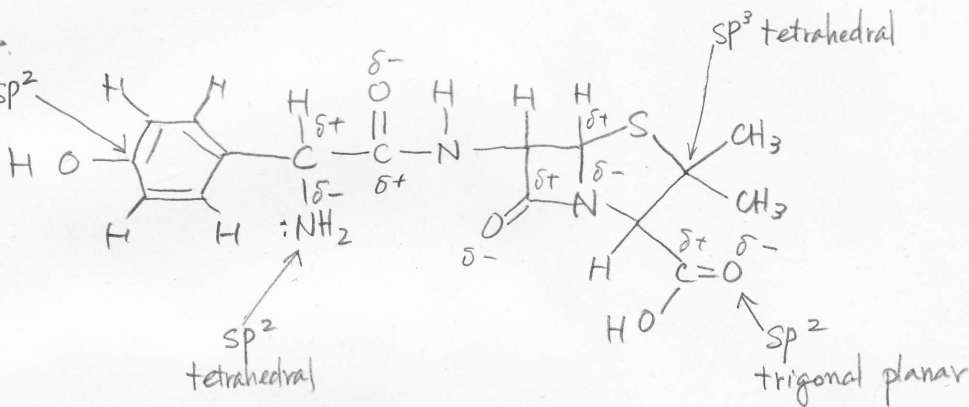
f.



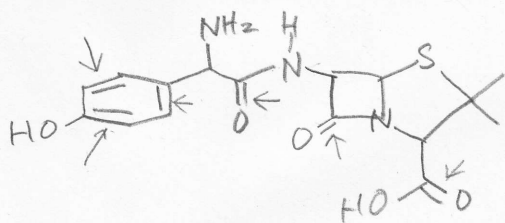
1.82



1.84
trigonal planar



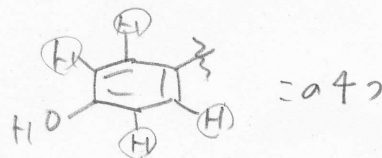
skeleton structure



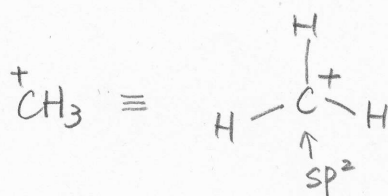
↓ σ = 3
6π bond

33% s-character ⇒ sp² a 炭素

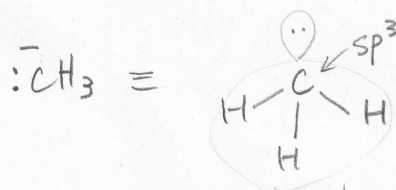
C-H 結合は ...



1.87



3つの基がある

trigonal planar
(平面三角形) $\Rightarrow A$ 上下に
⊕チャージ

4つの基がある

tetrahedral (四面体)

 $\Rightarrow B$ 上面に
⊖チャージ

↓
この部分だけ見ると
trigonal pyramidal (三角錐)

1.89



★ それ以外の問題の答は 部屋に見に来て

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