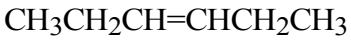
Name: _____

Period: ___

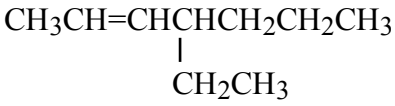
II. Alkenes

(1) Name the following alkenes. Show how the carbon atoms are numbered.

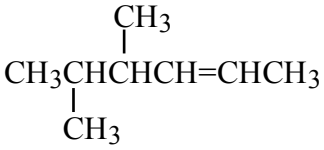
(a)



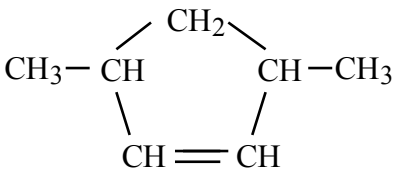
(b)



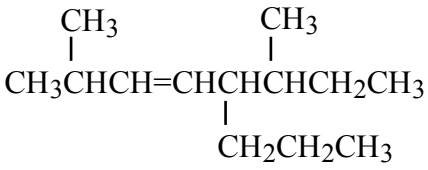
(c)



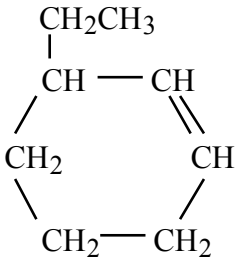
(d)



(e)



(f)



(2) Draw the following alkenes. Show how the carbon atoms are numbered.

(a) 4-methyl-2-hexene

(b) 3-ethyl-4-methyl-2-pentene

(c) 3-ethyl-2,4-dimethyl-3-heptene

(d) 1-methylcyclopentene

(e) 6-ethyl-3,3-dimethyl-4-nonene

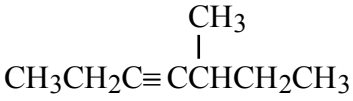
(f) 3-ethyl-4,5-dimethylcyclohexene

III. Alkynes

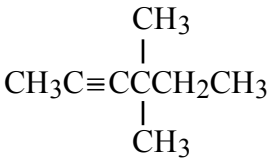
(1) Name the following alkynes. Show how the carbon atoms are numbered.

(a) $CH_3C{\equiv}CCH_2CH_3$

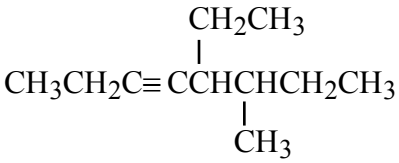
(b)



(c)



(d)



(2) Draw the following alkynes. Show how the carbon atoms are numbered.

(a) 4-ethyl-2-heptyne

(b) 3-ethyl-5-methyl-1-hexyne

(c) 2,5,6-trimethyl-3-octyne

(d) 3,8-dimethyl-5-decyne