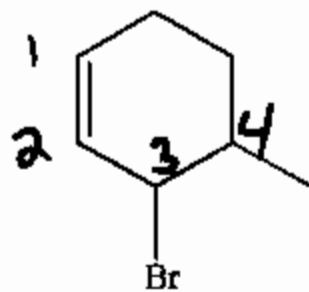


Quiz 8A
11 points

Name KEY
Maleckar/960/Fall 2009

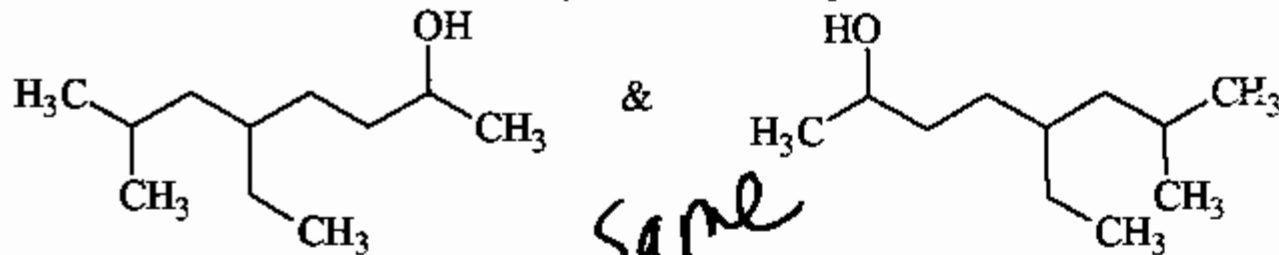
1. Name the following compound.



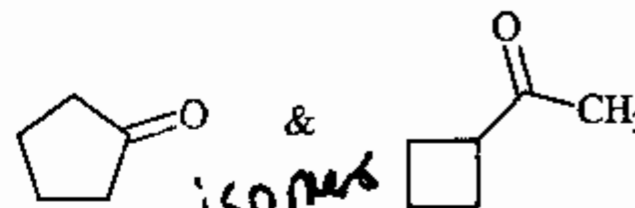
3-bromo-4-methyl-1-cyclohexene

3-bromo-4-methyl cyclohexene

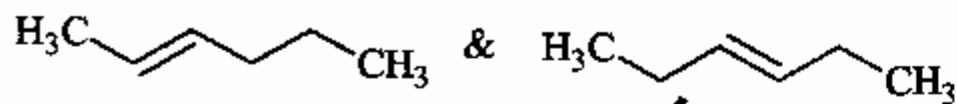
2. Indicate if the following sets of compounds are isomers or the same molecule.



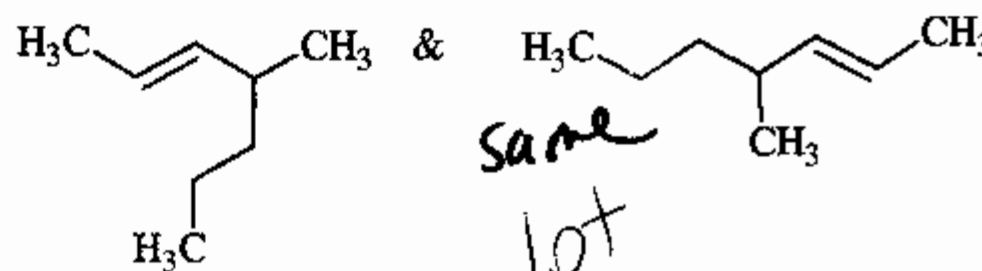
same
1pt



isomers
1pt

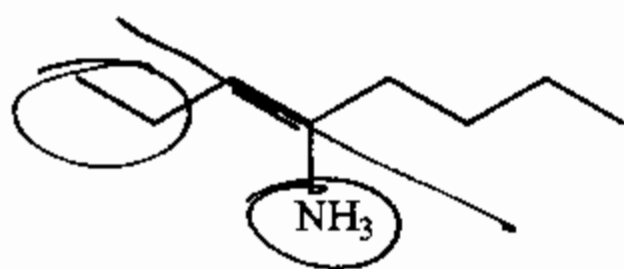


isomers
1pt

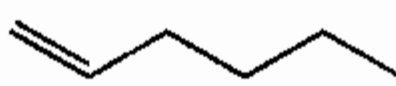


same
1pt

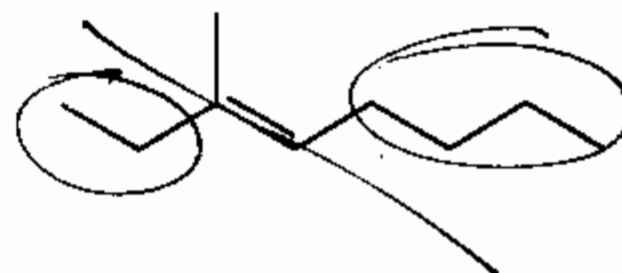
3. Are the following compounds cis, trans, or neither?



cis
1pt



neither
1pt

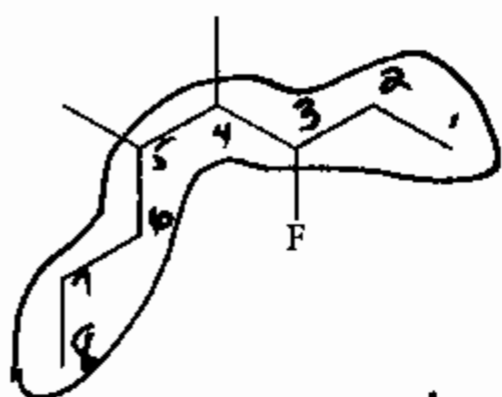


trans
1pt

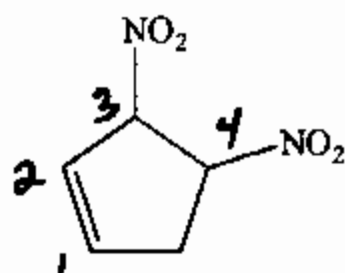
Quiz 8B
11 points

Name KEY
Malekar/960/Fall 2009

1. Name the following compounds.

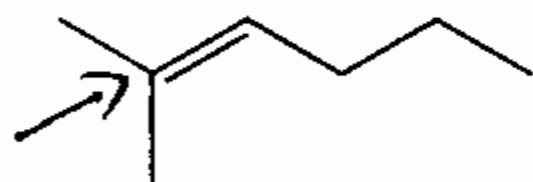


4,5-dimethyl-3-fluorooctane
or
3-fluoro-4,5-dimethyloctane

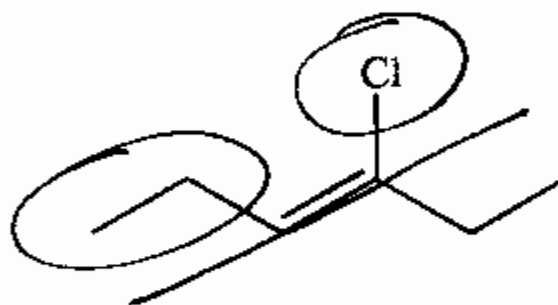


3,4-dinitrocyclopentene
or
3,4-dinitro-1-cyclopentene

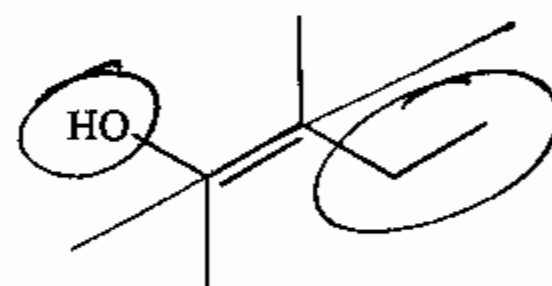
2. Label the following compounds as cis or trans or neither.



neither
1pt

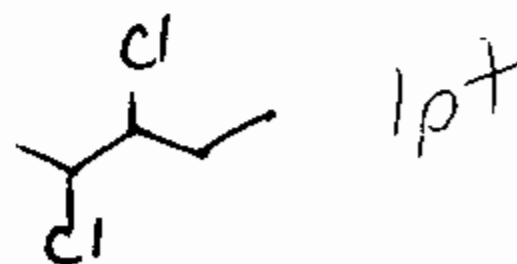
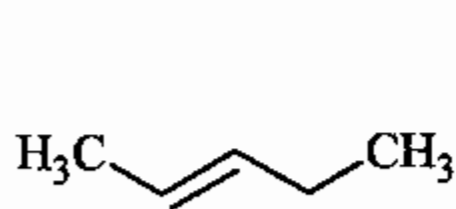


cis
1pt

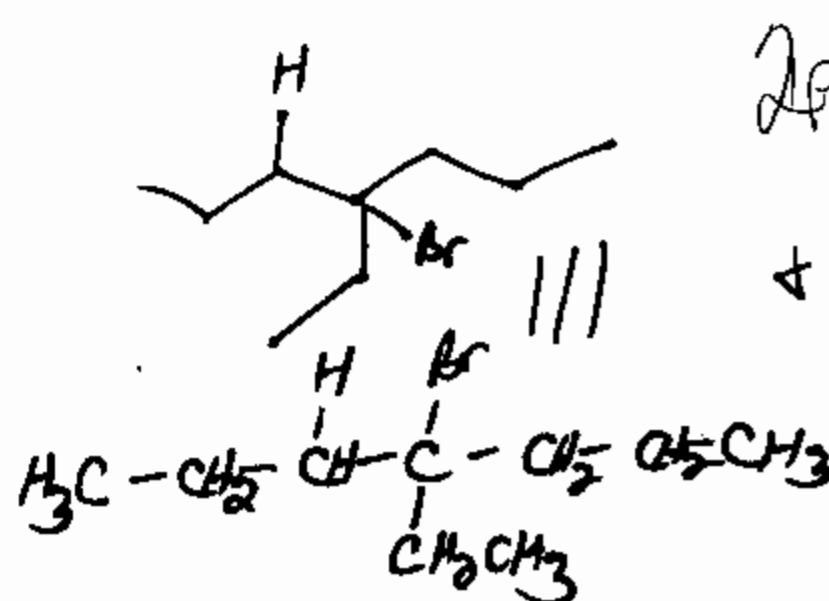
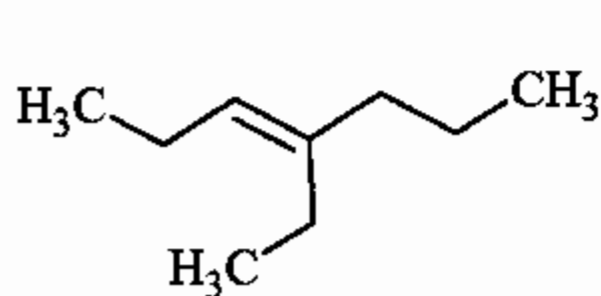


trans
1pt

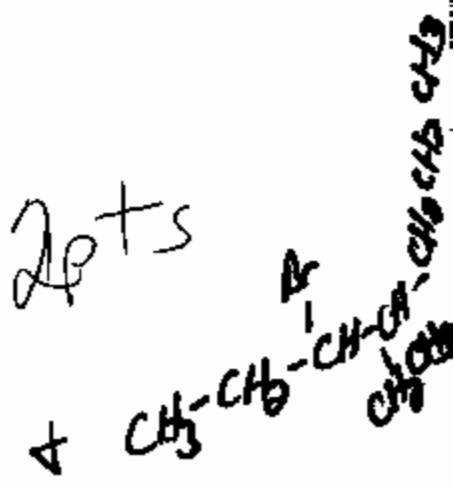
3. Draw the products of the following reactions.



1pt



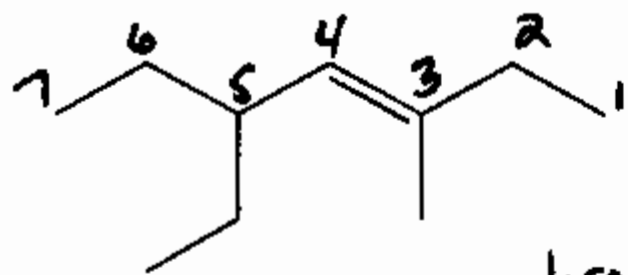
2pts



Quiz 8C
11 points

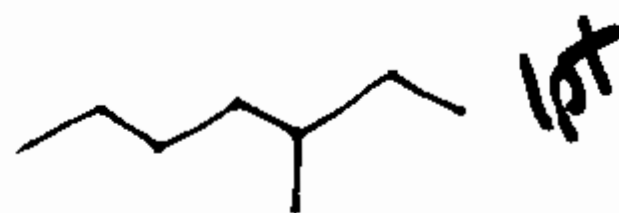
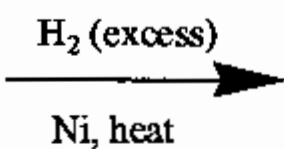
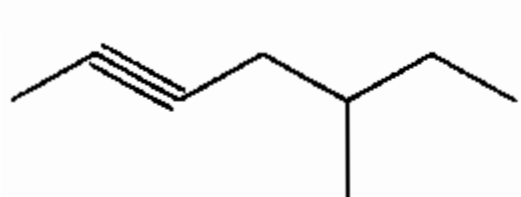
Name KEY
Maleckar/960/Fall 2009

1. Name the following compound. Be sure to use cis or trans in the name if necessary.

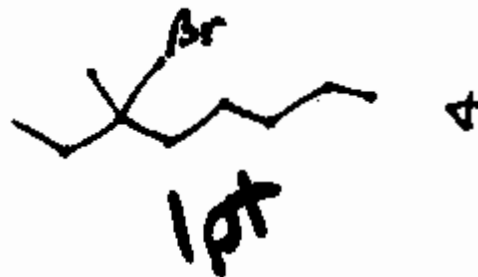
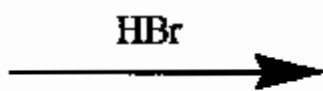
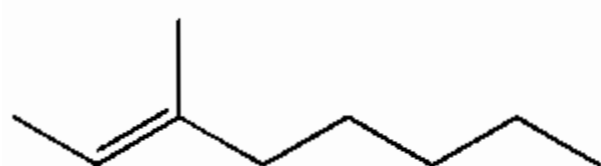


trans-5-ethyl-3-methyl-3-heptene

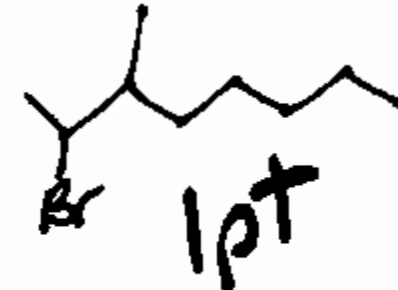
2. Give the products of the following reactions.



1pt



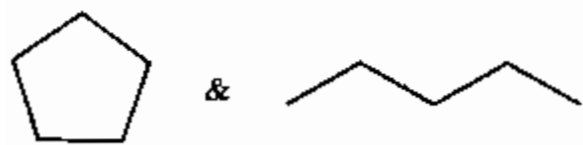
1pt



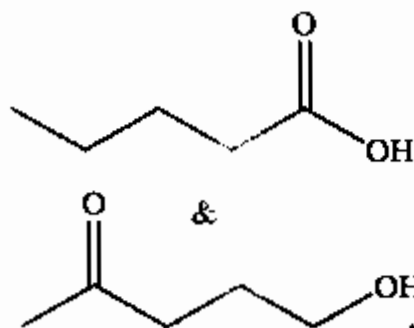
1pt

give all possible products

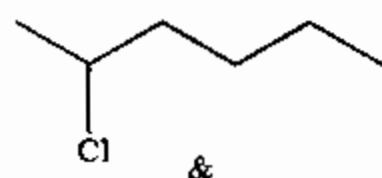
3. Label each of the following pairs of compounds as (a) the same molecule, (b) isomers, or (c) different molecules entirely.



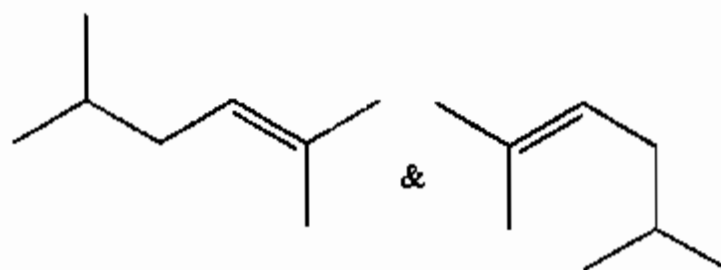
Different



isomers



isomers



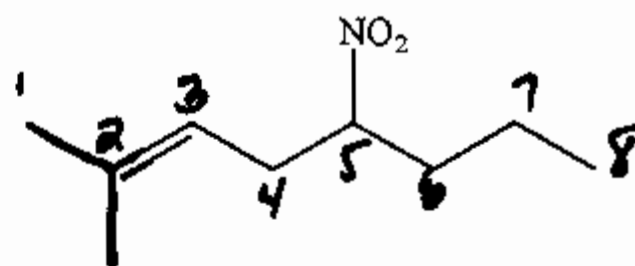
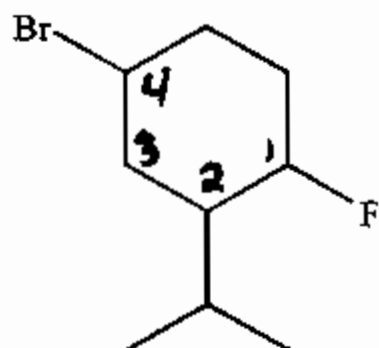
same

1pt each

Quiz 8D
11 points

Name KEY
Maleckar/960/Fall 2009

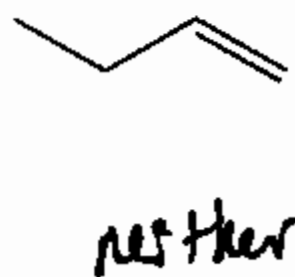
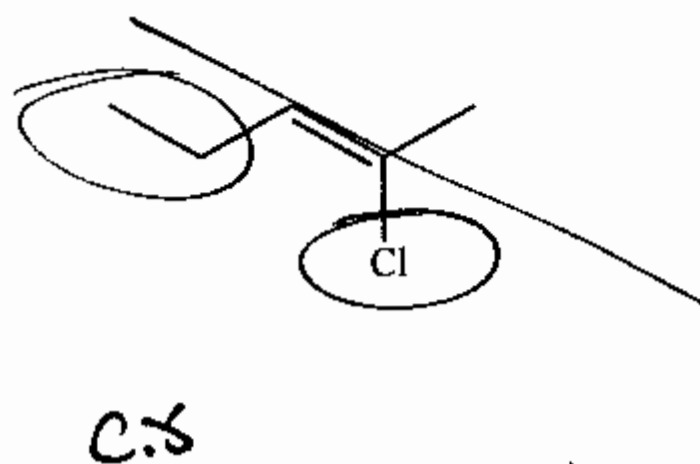
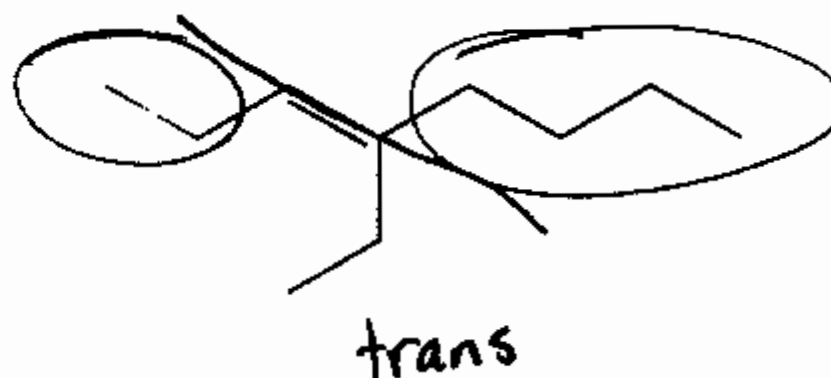
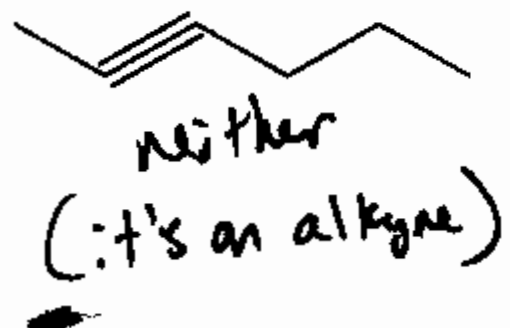
1. Name the following compounds.



4-bromo-1-fluoro-2-isopropylcyclohexane

2-methyl-5-nitro-2-octene

2. Are the following compounds cis, trans, or neither?

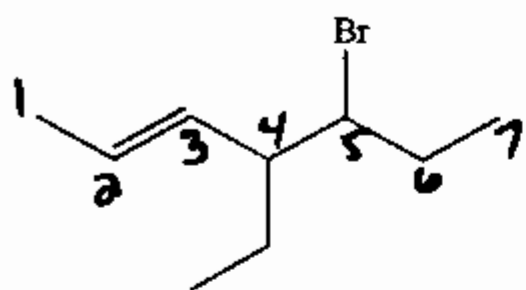


1pt
each

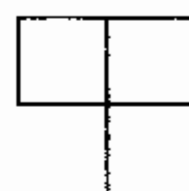
Quiz 8E
11 points

Name KEY
Maleckar/960/Fall 2009

1. Name the following compounds. Use cis/trans designations if/where necessary.



trans-5-bromo-4-ethyl-2-heptene



1,1,2-trimethylcyclobutane

2. Draw the products of the following reactions. If multiple products are possible, draw all of them.

