

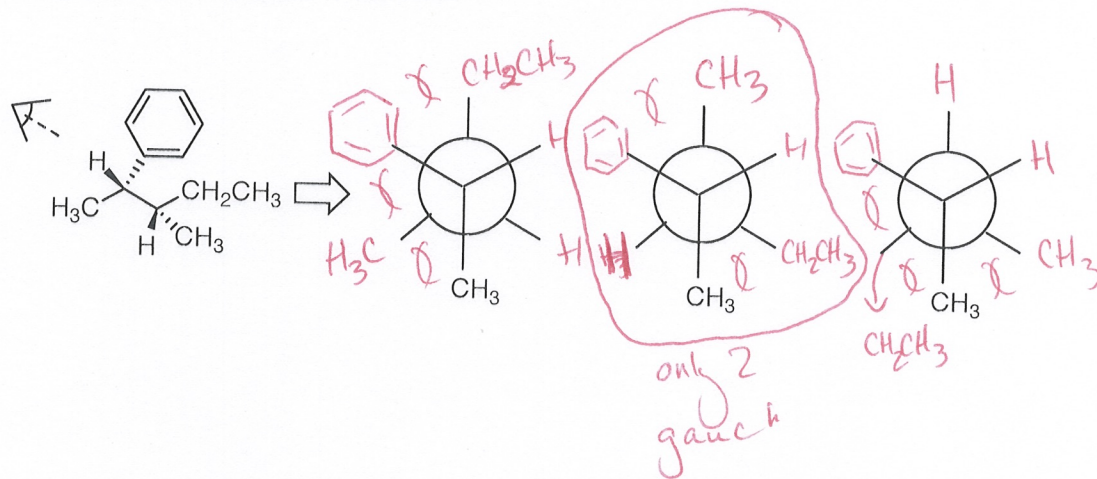
Organic Chemistry I, Spring 2018, Quiz 2a

Name:

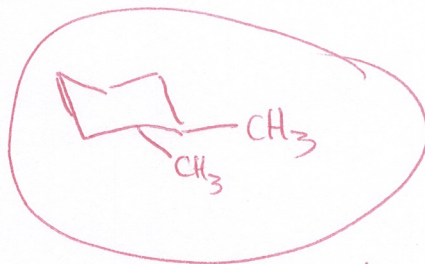
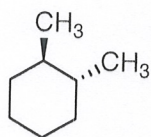
Signature:

The following quiz will begin 5 minutes into recitation and will last for 20 minutes. It consists of 2 questions, 20 points total. Show all of your work in the space provided for partial credit.

1. Draw the 3 staggered Newman Projections of the Following Structure, circle the lowest in energy, and in less than 5 words explain your answer (10 points).



2. Draw both Chair conformations of the following substituted cyclohexane and circle the one that is lowest in energy. If both are identical in energy, don't circle either (10 points).



Both equatorial!

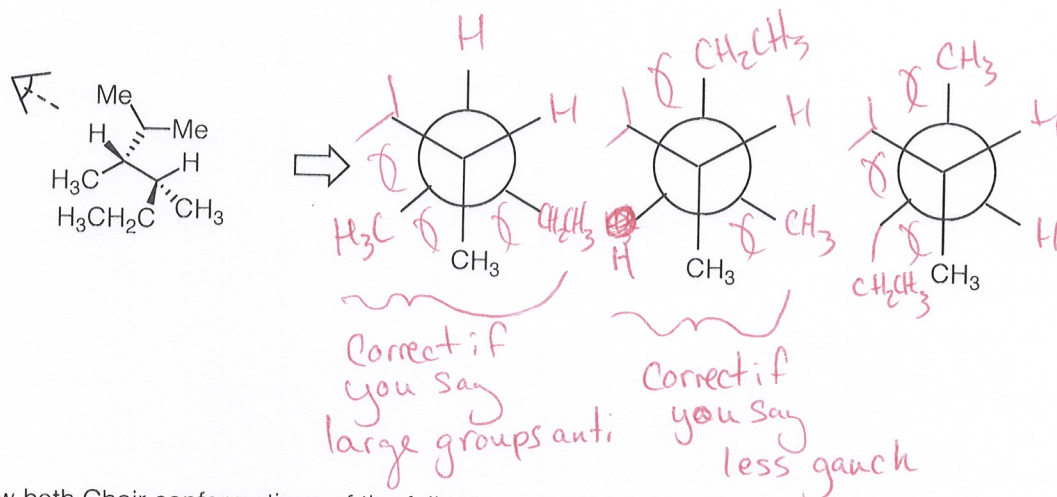
Organic Chemistry I, Spring 2018, Quiz 2b

Name:

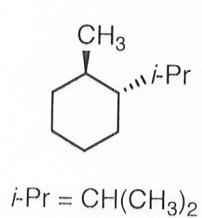
Signature:

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1. Draw the 3 staggered Newman Projections of the Following Structure, circle the lowest in energy, and in less than 5 words explain your answer (10 points).



2. Draw both Chair conformations of the following substituted cyclohexane and circle the one that is lowest in energy. If both are identical in energy, don't circle either (10 points).



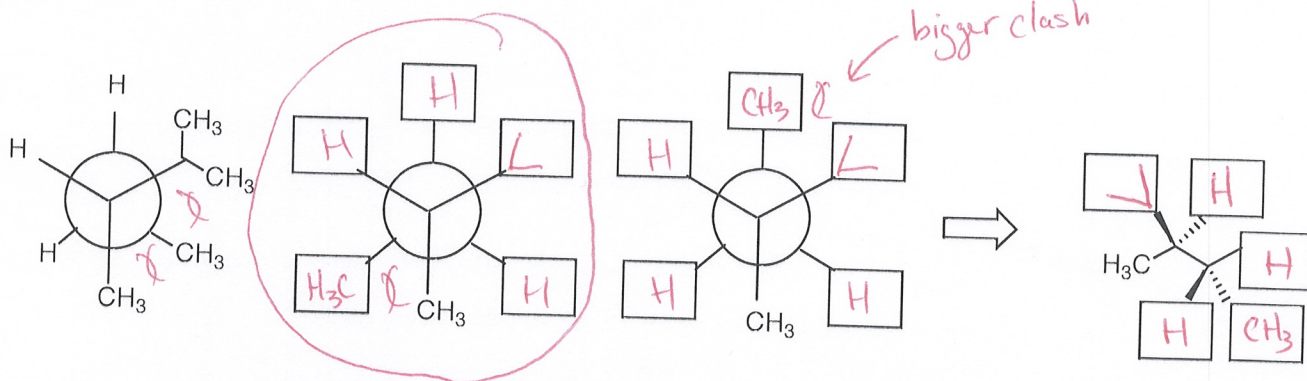
Organic Chemistry I, Spring 2018, Quiz 2c

Name:

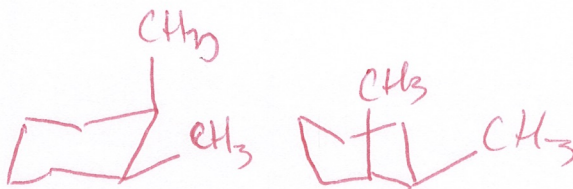
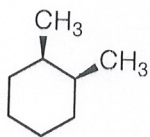
Signature:

The following quiz will begin 5 minutes into recitation and will last for 20 minutes. It consists of 2 questions, 20 points total. Show all of your work in the space provided for partial credit.

1. Draw additional staggered Newman Projections based on the first one, circle the lowest in energy, and then draw that molecule in standard line-angle notation reflecting that reflects the circled structure (10 points).



2. Draw both Chair conformations of the following substituted cyclohexane and circle the one that is lowest in energy. If both are identical in energy, don't circle either (10 points).



equal in energy
each has one CH₃ axial,
and one equatorial

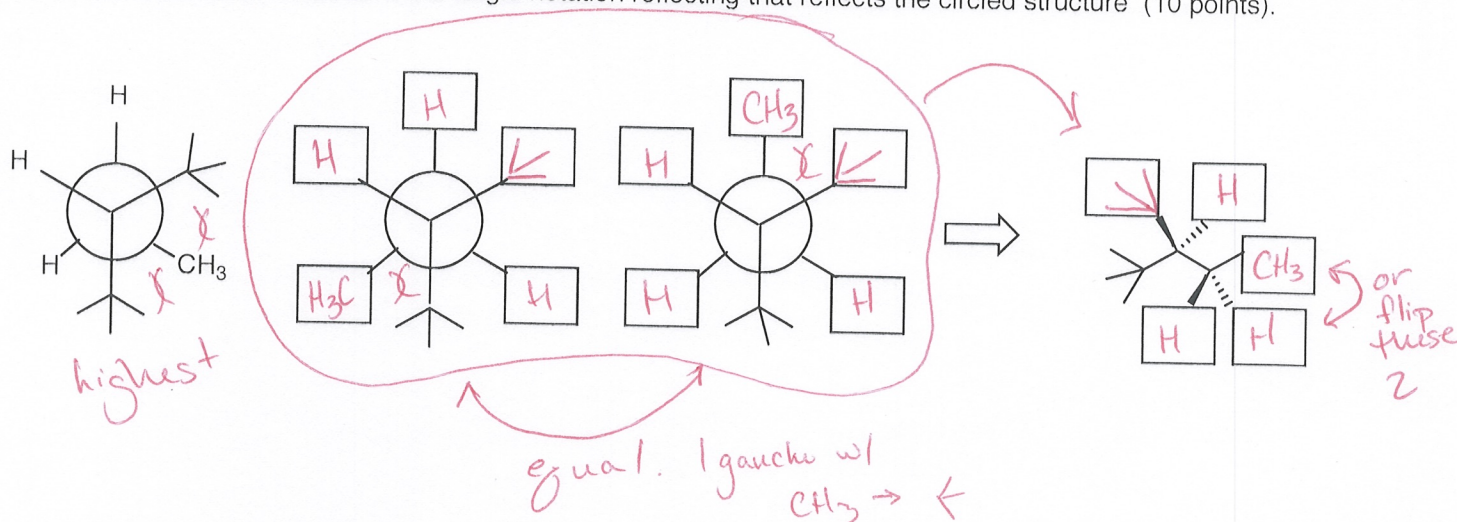
Organic Chemistry I, Spring 2018, Quiz 2d

Name:

Signature:

The following quiz will begin 5 minutes into recitation and will last for 20 minutes. It consists of 2 questions, 20 points total. Show all of your work in the space provided for partial credit.

1. Draw additional staggered Newman Projections based on the first one, circle the lowest in energy, and then draw that molecule in standard line-angle notation reflecting that reflects the circled structure (10 points).



2. Draw both Chair conformations of the following substituted cyclohexane and circle the one that is lowest in energy. If both are identical in energy, don't circle either (10 points).

