Name (First, MI, Last):			
Student ID Number:			
Circle the name of your TA:	AL	CARI	ROB
Discussion Section – Day:	Time:		

Chem 30B Fall 2003

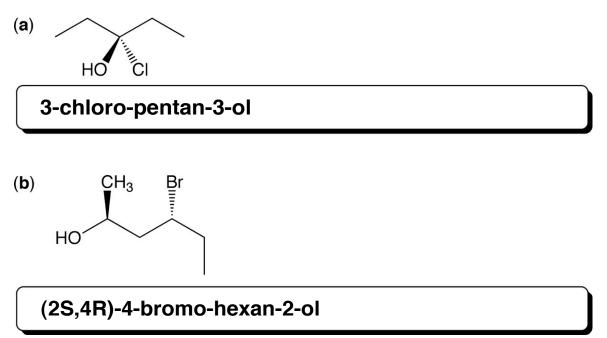
QUIZ #1A ANSWERS (15 Min)

Wednesday October 8th

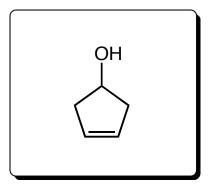
Page 1	12
Page 2	24
Total	36

DO NOT OPEN THIS EXAM UNTIL INSTRUCTED TO DO SO ONLY ANSWERS WRITTEN IN THE BOXES PROVIDED WILL BE GRADED INTERPRETATION OF THE QUESTIONS IS PART OF THE EXAM – DO NOT ASK FOR THE QUESTIONS TO BE EXPLAINED TO YOU

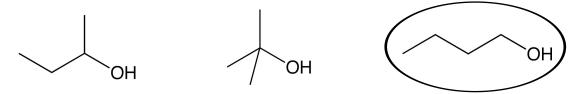
"And how is education supposed to make me feel smarter? Besides, every time I learn something new, it pushes some old stuff out of my brain. Remember when I took that home winemaking course, and I forgot how to drive?" - Homer Simpson **Question 1** Give the systematic (IUPAC) name (including *R*/*S* notation where necessary) for each compound (3 points each)

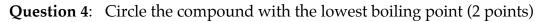


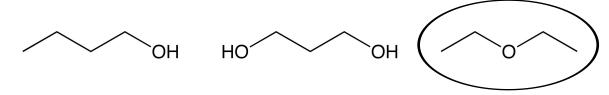
Question 2: Draw the structure of cyclopent-3-enol in the box below (2 points)



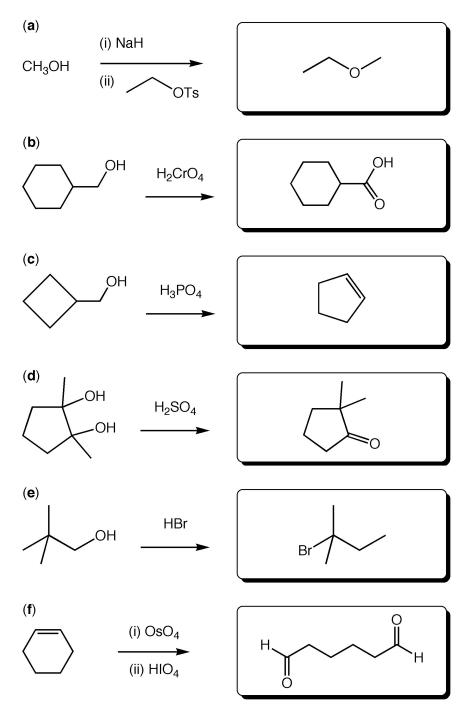
Question 3: Circle the compound with the highest boiling point (2 points)







Question 5: Each of these reactions produces ONE MAJOR PRODUCT. In each case, draw this product in the box provided. For the two-step reactions (**a** & **f**) just give the FINAL product, i.e., no intermediates (4 points each)



BONUS QUESTION (2 points): In the early hours of this morning, the winner(s) of the 2003 Nobel Prize for Chemistry were announced — name one of them:

Peter Agre and Roderick MacKinnon

Name (First, MI, Last):			
Student ID Number:			
Circle the name of your TA:	AL	CARI	ROB
Discussion Section – Day:	Time:		

Chem 30B Fall 2003

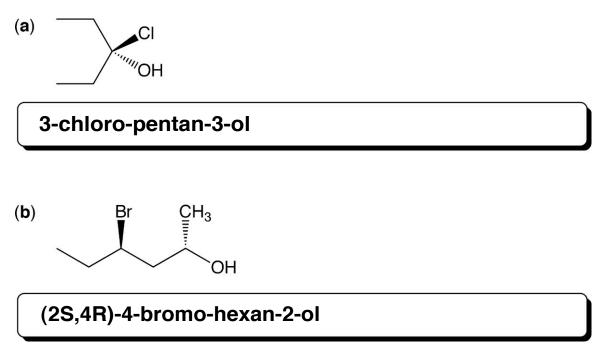
QUIZ #1B ANSWERS (15 Min)

Wednesday October 8th

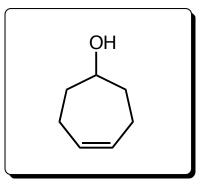
Page 1	12
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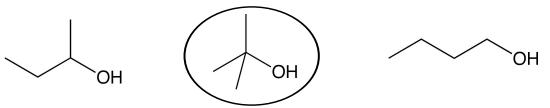
"And how is education supposed to make me feel smarter? Besides, every time I learn something new, it pushes some old stuff out of my brain. Remember when I took that home winemaking course, and I forgot how to drive?" - Homer Simpson **Question 1** Give the systematic (IUPAC) name (including *R*/*S* notation where necessary) for each compound (3 points each)



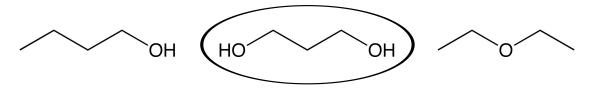
Question 2: Draw the structure of cyclohept-4-enol in the box below (2 points)



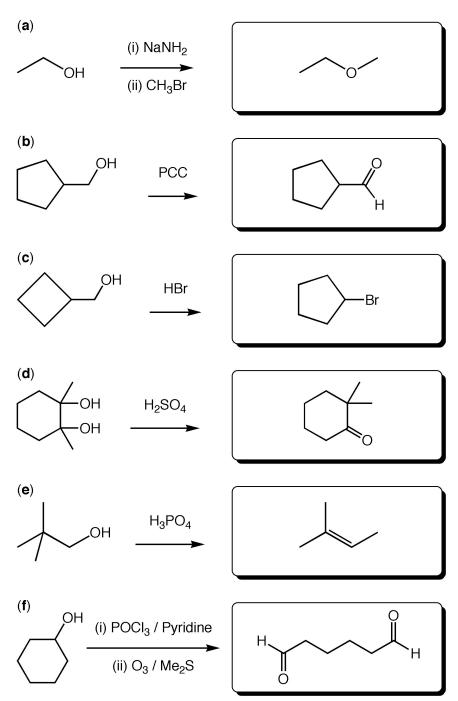
Question 3: Circle the compound with the lowest boiling point (2 points)



Question 4: Circle the compound with the highest boiling point (2 points)



Question 5: Each of these reactions produces ONE MAJOR PRODUCT. In each case, draw this product in the box provided. For the two-step reactions (**a** & **f**) just give the FINAL product, i.e., no intermediates (4 points each)



BONUS QUESTION (2 points): In the early hours of this morning, the winner(s) of the 2003 Nobel Prize for Chemistry were announced — name one of them:

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