| Last Name:   | First Name: |
|--|-------------|
| UTEID:   | Class Time: |
| Deadline for CH320/328 M HW 7: Nov 5 3:00 PM   |             |
| 1) Free Radical Stability: For each of the compounds listed below, draw the most stable free radical, when a H atom is abstracted. |             |
|  |             |
|  |             |
| $ \begin{array}{c}  & H_2 \\  & C \\  & C \\  & H_3 \end{array} $  |             |
|  |             |

**2) Comparative Mechanisms:** The choice of reagents and conditions for a reaction can be used to produce different products. For the two bromination reactions below, draw the stepwise mechanisms. Use the "structure-n-a-box" to help guide you through the steps. Show all flow of electrons, formal charges and any stereochemical features of the mechanism.

