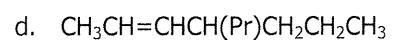
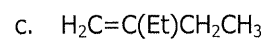


1. Draw structures for the following alkenes
  - a. 3-propyl-2-heptene
  
  
  
  
  
  
  
  
  
  
  - b. 1,5-octadiene
  
  
  
  
  
  
  
  
  
  
  - c. 2,4-dimethyl-2-hexene
  
  
  
  
  
  
  
  
  
  
  - d. 4-methyl-1,3-pentadiene
  
  
  
  
  
  
  
  
  
  
  - e. 3-ethyl-5-methyl-3-heptene
  
  
  
  
  
  
  
  
  
  
  - f. 4-bromo-1-ethylcyclopentene
  
  
  
  
  
  
  
  
  
  
  - g. 6-cyclopropyl-2-methyl-4-propyl-2-heptene
  
  
  
  
  
  
  
  
  
  
  - h. 6-bromo-2-cyclopentyl-6-vinyl-1,3-cyclooctadiene
  
2. Give IUPAC, common names AND line-angle structures for the following alkenes:
  - a.  $\text{CH}_3\text{CH}=\text{CHCH}(\text{CH}_3)\text{CH}_2\text{CH}_3$
  
  
  
  
  
  
  
  
  
  
  - b.  $\text{H}_2\text{C}=\text{C}=\text{CHCH}_3$



3. Name the following cycloalkenes by IUPAC rules:

