## Worksheet #3: Chapter 3

1. Identify the functional groups in each of the following molecules:

a) 
$$CH_3$$
  $CO_{CH_3}$   $CO_{CH$ 

2. Give IUPAC names for the following compounds:

$$H_2C$$
  $CH_3$   $CH_3$ 

3. Name the following cycloalkenes:

- 4. Draw structures corresponding to the following IUPAC names:
  - a) 3-Ethyl-2,2-dimethylhept-3-ene
  - b) 3-Propylhept-2-ene
  - c) Octa-1,5-diene