## ORGANIC CHEMISTRY PRACTICE QUIZ 2: ALKENES AND ALKYNES

- 1. Give the systematic name and family for each compound.
  - (a) CH<sub>3</sub>CH<sub>2</sub>CH=CH<sub>2</sub>

  - CH<sub>3</sub> (c) CH<sub>3</sub>CHCHCH=CHCH<sub>3</sub> CH<sub>3</sub>
- 2. Draw the structure and state the family for each compound
  - (a) ethyne
  - (b) 1,2-dimethylcyclopent-1-ene
  - (c) nona-2,4,6-triene
- 3. Give the product(s) for each reaction.

(a) 
$$CH_3CH = CHCH_3 + Br_2 \rightarrow$$

(b) 
$$CH_3$$
  $H_2O$   $H_2SO_4$ 

(c) 
$$CH_2 = CH_2 + H_2$$
 catalyst pressure  $\Lambda$