ORGANIC CHEMISTRY PRACTICE QUIZ 5: CARBOXYLIC ACIDS AND ESTERS

1. Give the systematic name and family for each compound.

- 2. Draw the structure and state the family for each compound
 - (a) 3-ethylheptanoic acid
- (b) ethyl propanoate
- 3. Give the product(s) for each reaction.

(a) O
$$H_2SO_4$$
 CH $_3CH_2COH$ + CH $_3CH_2CH_2CH_2OH$ A

(b)
$$\begin{matrix} O \\ \parallel \\ CH_3CH_2CH_2CH \\ + \\ [O] \end{matrix} \xrightarrow[H^+]{Cr_2O_7^{2-}}$$