## ORGANIC CHEMISTRY PRACTICE QUIZ 3: ALCOHOLS AND ETHERS

1. Give the systematic name and family for each compound. (a) CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>OH OCH₃ (b) CH<sub>3</sub>CHCH<sub>2</sub>CH<sub>3</sub> 2. Draw the structure and state the family for each compound (a) 2-ethoxyheptane (b) 2-propylcyclopenta-1,3-diol 3. Write the structural equation for each of the following reactions. Include any special conditions. (a) dehydration of butan-1-ol (b) substitution reaction between ethanol and hydrogen chloride (c) condensation reaction with propan-2-ol