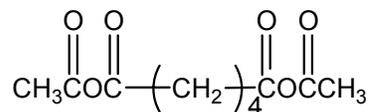
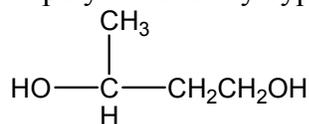
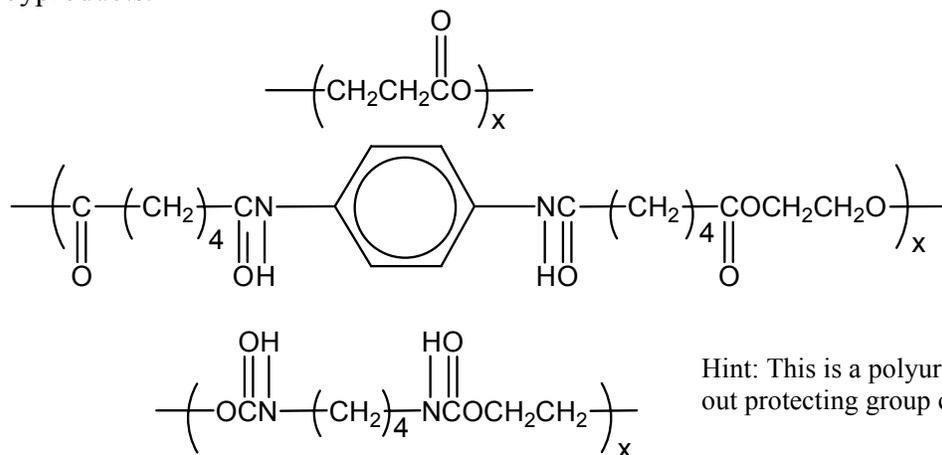


1. Show 3 polymers that could be synthesized from the following monomers. Show the structure of the polymer and any byproducts.



2. Show a suitable synthetic route to the following polymers. Show all reactants and byproducts.



Hint: This is a polyurethane. Check out protecting group chemistry.

3. Show the complete synthesis of the following tri-peptide using the Fmoc and suitable sidechain protecting groups. Assume that the amino acid monomers are available in their protected forms.

