

**Ch 332**Name \_\_\_\_\_  
(print)**Quiz #2 (Chapter 9)**

Due in class, Wed. Jan. 24, 2001

(50 pts)

(Note: There will be no partial credits! Please pay attention to details)

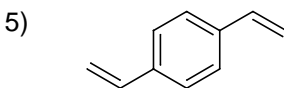
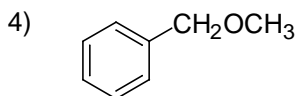
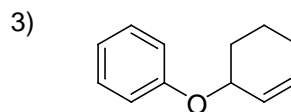
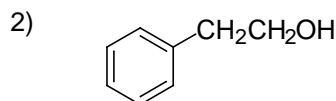
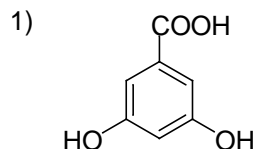
1. (15 pts) Draw the structure for each of the following compounds.

1) 3,5-Dihydroxybenzoic acid

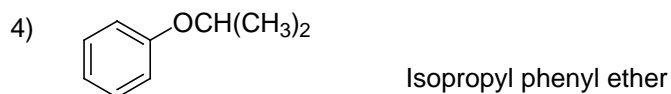
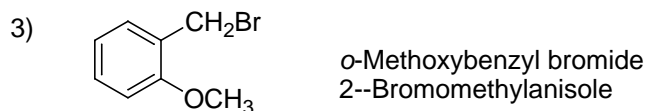
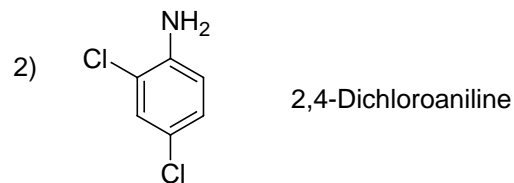
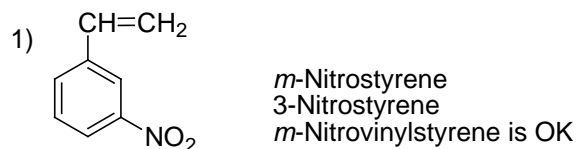
2) 2-Phenylethanol

3) 3-Phenoxy-cyclohexene

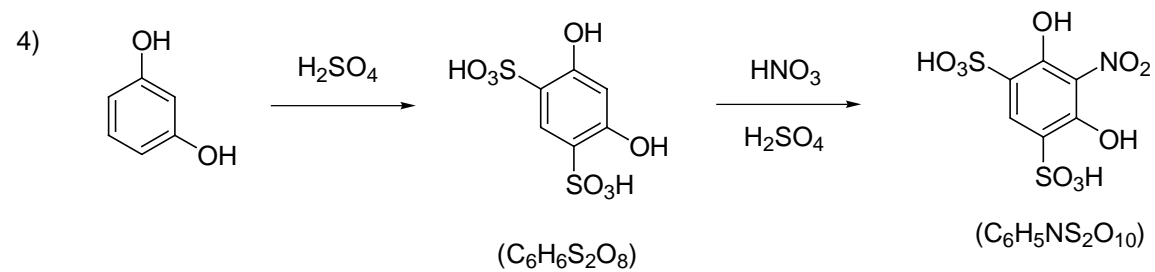
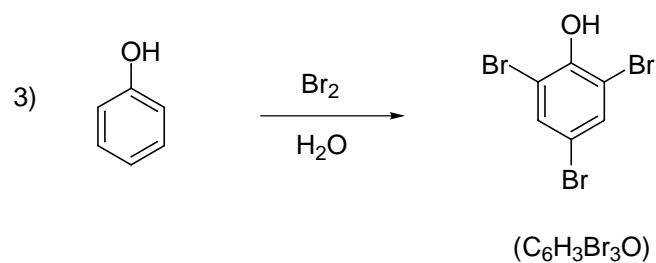
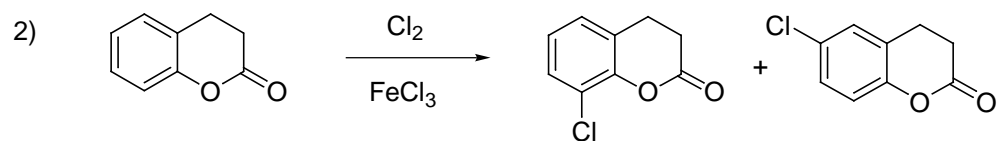
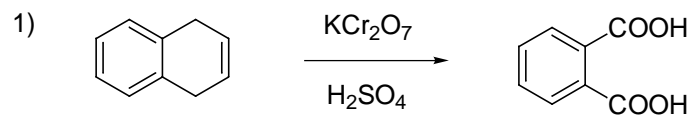
4) Benzyl methyl ether

5) *p*-Divinylbenzene3 pts each

2. (8 pts) Name the following compounds.

2 pts each

3. (15 pts) Propose the product for each of the following reactions.



3 pts for each structure

4. (12 pts) Many polycyclic aromatic compounds have been synthesized by a cyclization reaction known as the Bradsher reaction or aromatic cyclodehydration. This method can be illustrated by the following synthesis of 9-methylphenanthrene. Propose a plausible mechanism for this reaction.

