Chemistry 3371, Quiz 4

Name ___________________________ Recitation Day _________ February 25, 2005

1) (4 points) Give structures for the following aromatic compounds.
   a) p-hydroxytoluene        c) styrene
   b) pyrimidine              d) acetophenone

2) (4 points) Indicate for each of the following molecules whether it is aromatic or not.
   a)                        b)   c)                        d)

   \[
   \begin{array}{c}
   \text{a)} \quad \text{b)} \\
   \end{array}
   \]

3) (12 points) Give starting materials, reagents (including solvent if important) and/or products with stereochemistry when appropriate for the following reactions. Assume normal workup.

   a) \[ \text{Br}_2 \quad \text{hv} \rightarrow \quad \] 

   b) \[ \text{heat} \rightarrow \quad \]

   c) \[ \] 

   d) \[ \text{Br} \]

   e) \[ \text{Et}_2\text{Cu Li} \rightarrow \quad \]