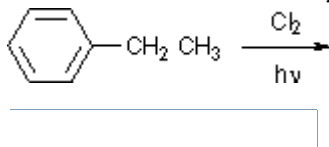


 **Preview Assessment: Workshop 4**

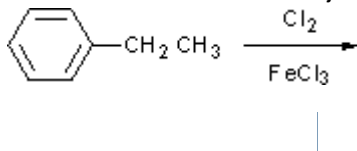
Name Workshop 4

Instructions**Multiple Attempts** This Test allows multiple attempts.**Force Completion** This Test can be saved and resumed later.▼ **Question Completion Status:****Question 1****1 points** [Save](#)

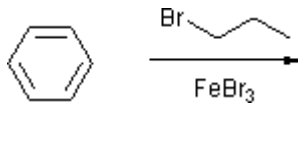
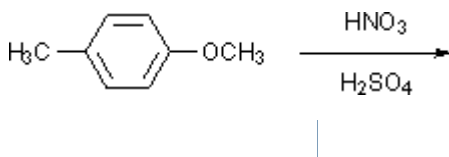
Draw the structure of the major product(s) of the following reaction:

**Question 2****1 points** [Save](#)

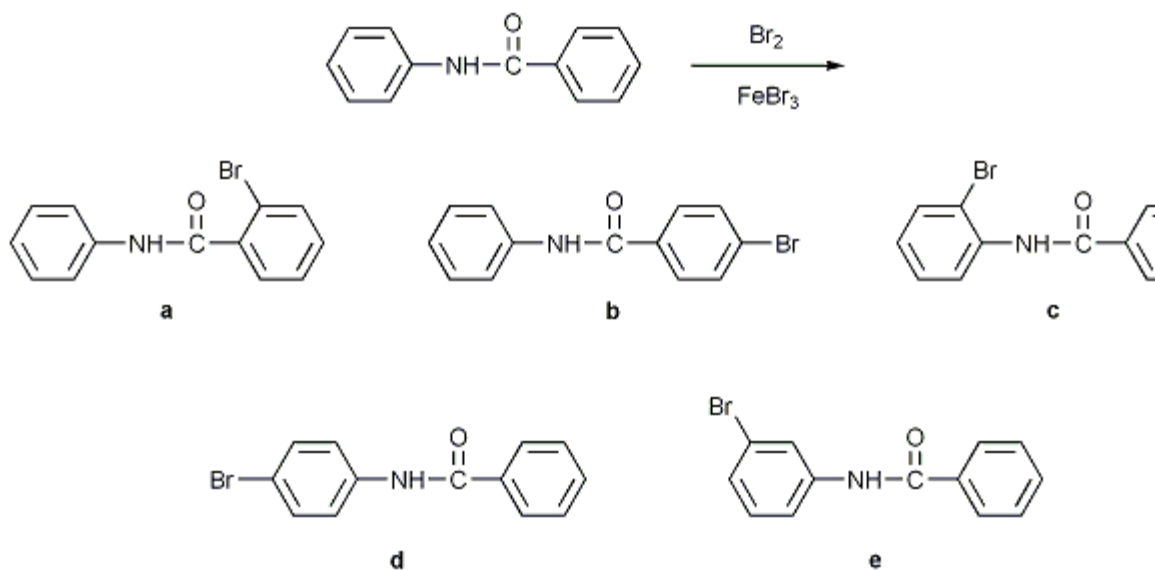
Draw the structure of the major product(s) of the following reaction:

**Question 3****1 points** [Save](#)

Draw the structure of the major product of the following reaction:

**Question 4****1 points** [Save](#)Draw the structure of the major product of the following reaction (to introduce a NO_2 group in MarvinSketch, go to "Insert", then "Groups", then "N", then " NO_2 "): **Question 5**

Predict the monobromination product obtained from the following reaction:

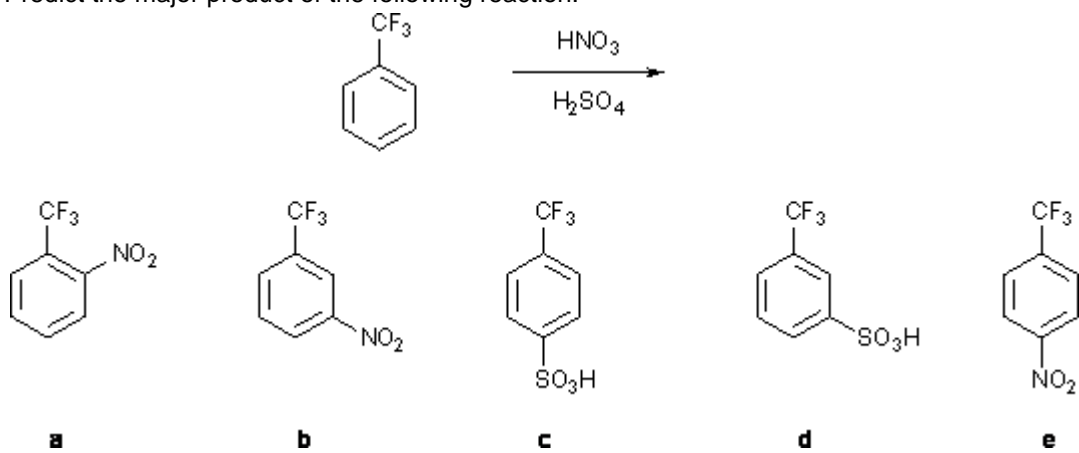


- a
- b
- c
- d
- e

Question 6

1 points

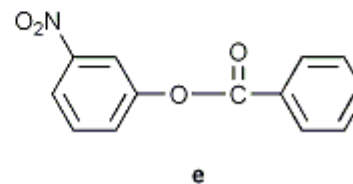
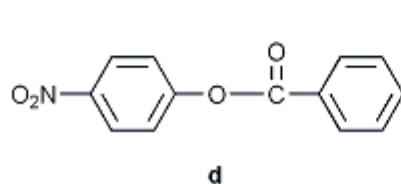
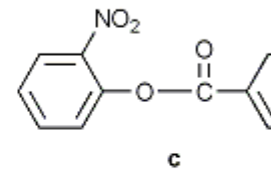
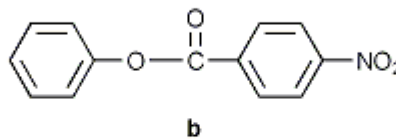
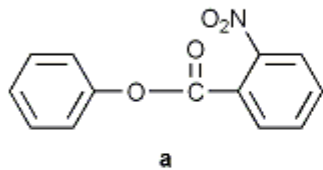
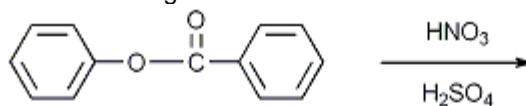
Predict the major product of the following reaction:



- a
- b
- c
- d
- e

Question 7

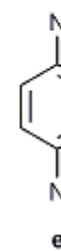
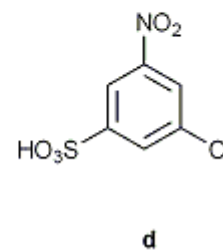
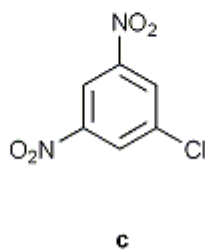
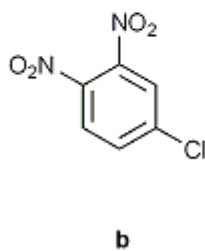
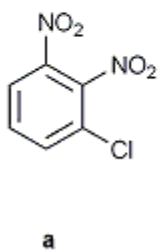
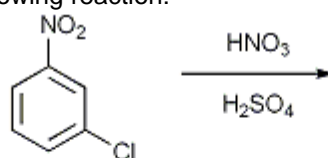
Predict the major product of the following reaction:



- a
- b
- c
- d
- e

Question 8

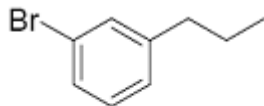
Predict the major product of the following reaction:



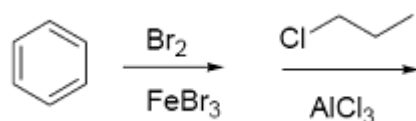
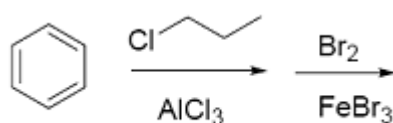
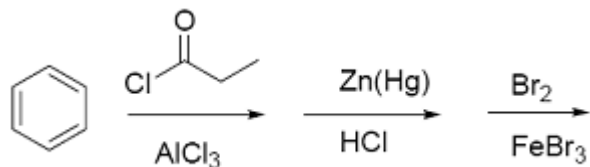
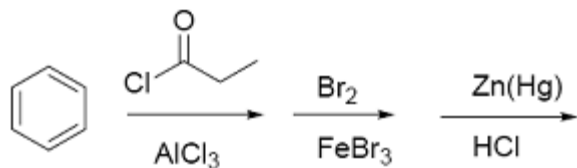
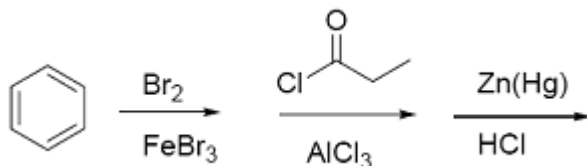
- a
- b
- c
- d
- e

Question 9**1 points** [Save](#)

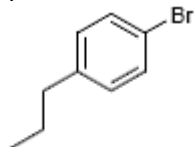
Which of the following reaction sequences would be the best for synthesizing the compound, 1-bromo-3-propylbenzene.



1-Bromo-3-propylbenzene

**Question 10****1 points** [Save](#)

Which of the following reaction sequences would be the best for synthesizing the compound 1-bromo-4-propylbenzene.



1-bromo-4-propylbenzene

- c1ccccc1 $\xrightarrow[\text{FeBr}_3]{\text{Br}_2}$ CCC(=O)Cl $\xrightarrow{\text{AlCl}_3}$ $\xrightarrow[\text{HCl}]{\text{Zn(Hg)}}$
- c1ccccc1 $\xrightarrow{\text{AlCl}_3}$ CCC(=O)Cl $\xrightarrow[\text{FeBr}_3]{\text{Br}_2}$ $\xrightarrow[\text{HCl}]{\text{Zn(Hg)}}$
- c1ccccc1 $\xrightarrow{\text{AlCl}_3}$ CCC(=O)Cl $\xrightarrow[\text{HCl}]{\text{Zn(Hg)}}$ $\xrightarrow[\text{FeBr}_3]{\text{Br}_2}$
- c1ccccc1 $\xrightarrow{\text{AlCl}_3}$ CCCCl $\xrightarrow[\text{FeBr}_3]{\text{Br}_2}$
- c1ccccc1 $\xrightarrow[\text{FeBr}_3]{\text{Br}_2}$ $\xrightarrow{\text{AlCl}_3}$ CCCCl

Save

Submit