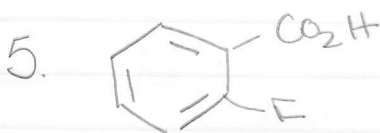
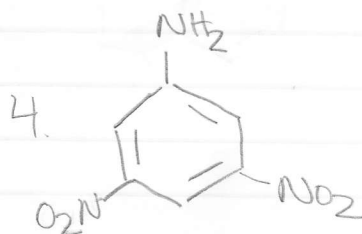
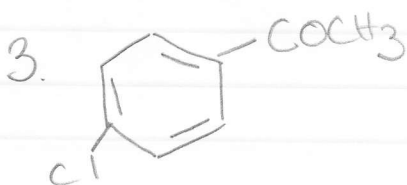
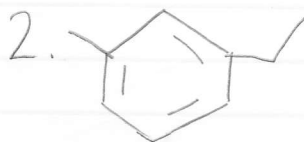
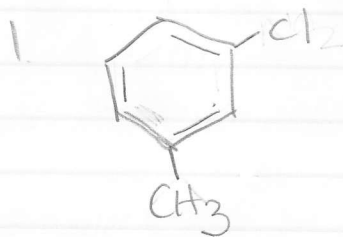


Page 2

Group #3

Name the following:



Draw the following:

1. p-ethyl benzaldehyde

2. 3-chloro-5-ethyl cumene

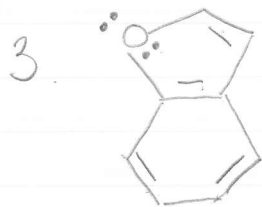
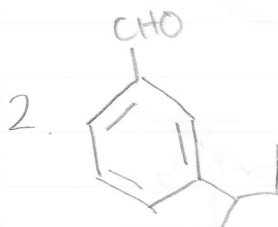
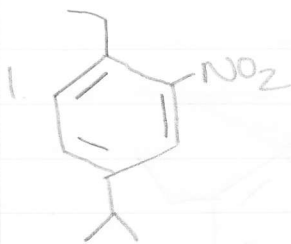
3. m-dichlorobenzene

4. m-bromochloronaphthalene

5. 2-phenylethanol

not one you had to memorize!

Are the following Aromatic? Why/why not?



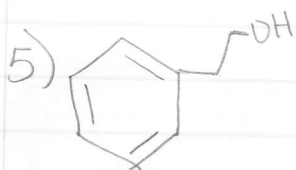
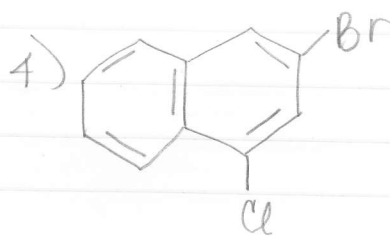
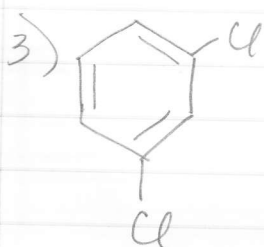
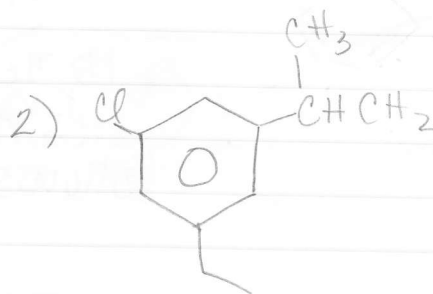
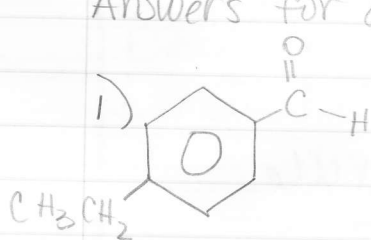
Page 3

Group # 3

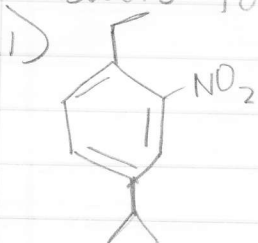
Answers for name:

- 1) m-chlorotoluene
- 2) m-ethylmethylbenzene
- 3) p-chloroacetophenone
- 4) 3,5-dinitroaniline
- 5) o-fluorobenzoic acid

Answers for draw:



Answers for aromatic:



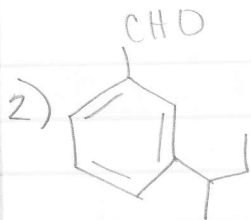
Yes

The compound is aromatic

$$4n + 2 = 6$$

$$\frac{4n}{4} = \frac{4}{4}$$

$$n = 1$$



Yes

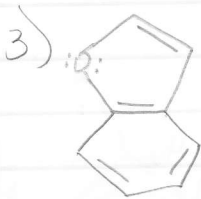
The compound is aromatic

$$4n + 2 = 6$$

$$4n = 4$$

$$n = 1$$

$$n = 1$$



Yes

The compound is aromatic

$$10 \pi e^- = 4n + 2$$

$$n = 2$$

follows Huckel's rule