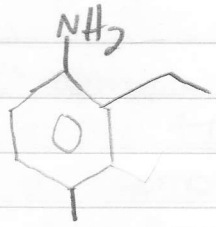
Answer Page

Naming

1) p - nitroanilinic
2) (E) - 1,2 - dichloro - 5 - cyclopentyl - 8 - phenyl - 1 - octene
3) m - methylbenzoic acid
4) 2,3 - diethyl - 4 - methylbenzaldehyde
5) (E) - 1,2 - diphenylethene

Drawing

1)



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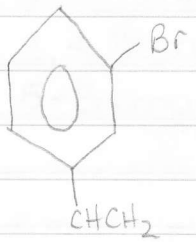
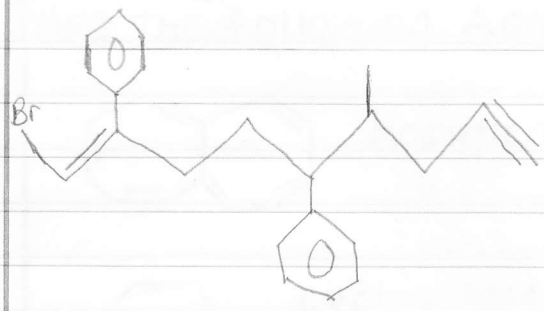


3)



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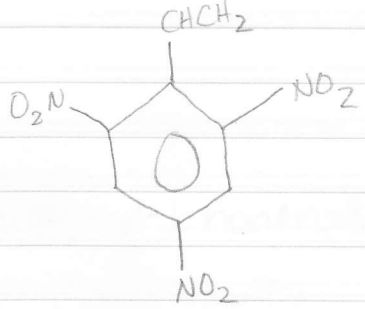

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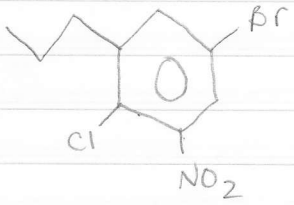


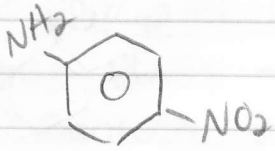
Aromatic? Why?

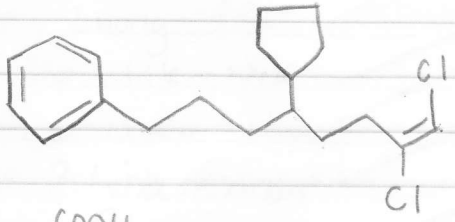
1) not aromatic because 12 π electrons $(4n+2) = 12$ $n = 10/4$

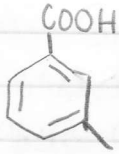
2) not aromatic because 8 π electrons $(4n+2) = 8$ $n = 6/4$

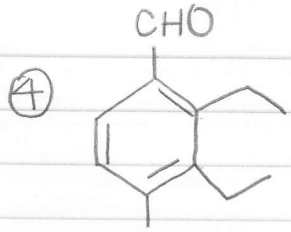
3) aromatic because 14 π electrons $(4n+2) = 14$ $n = 12/4 = 3$

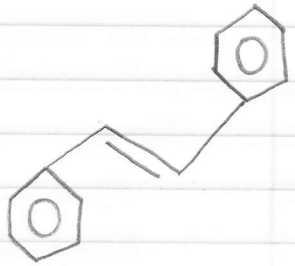
Naming

① 

② 

③ 

④ 

⑤ 

Drawing

1 2-ethyl-4-methylaniline

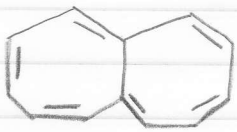
2 m-Beomostyrene

3 (Z)-1-Bromo-6-methyl-2,5-diphenyl-1-nonen-8-yne

4 2,4,6-trinitrostyrene

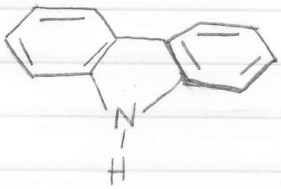
5 5-Bromo-2-chloro-3-propylnitrobenzene

ARE THE following AROMATIC?



heptalene

cyclooctalene



carbazole