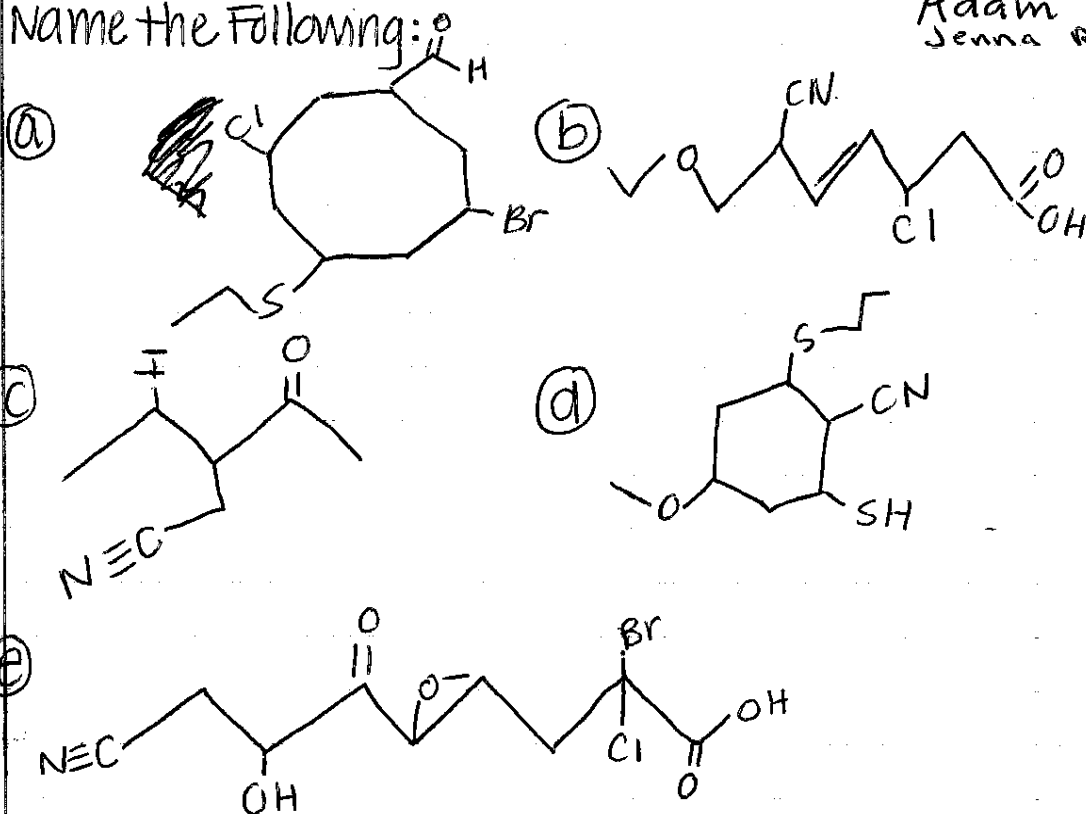


Amy Duke - Mon.
 Jess Francis - Mon.
 Michelle Lola - Monday
 Jessica Zaper - Mon.
 Chris Meyer - Mon
 Adam Bee
 Jenna Ramadan

Team Ramrod

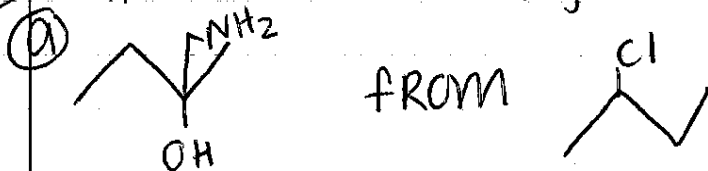
① Name the following:

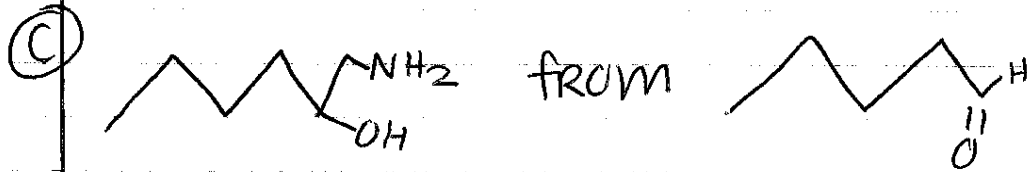
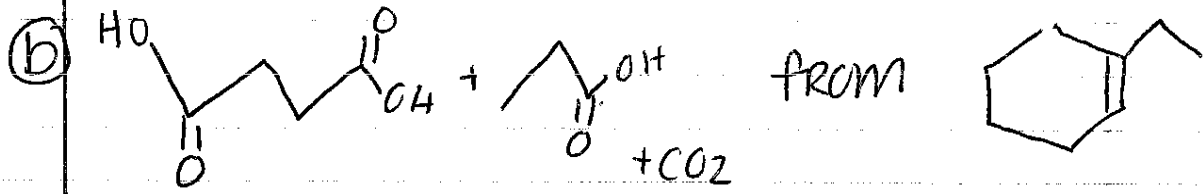


② Draw the following:

- (a) 4-(2-methylthiopropyl)-2-isopropylcyclohexanecarboxylic acid
- (b) 2-bromo-3-ethyl-6-mercapto-7-oxo-4-heptynenitrile
- (c) 4-ethylthio-2-isopropyl-5-oxo-3-secbutylcyclohexanenitrile
- (d) 2-methyl-3-phenyl-4-pentyne nitrile
- (e) 4-cyano-3-ethoxy-2-hydroxybenzoic acid

③ Prepare the following:





Answers:

①. naming:

Ⓐ 3-Bromo-7-chloro-5-ethylthio cyclooctane carboxylic acid

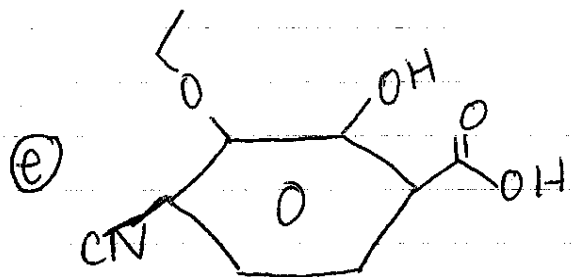
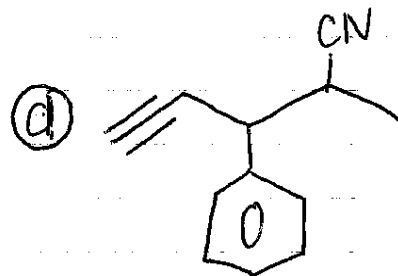
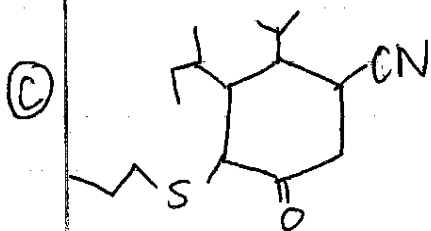
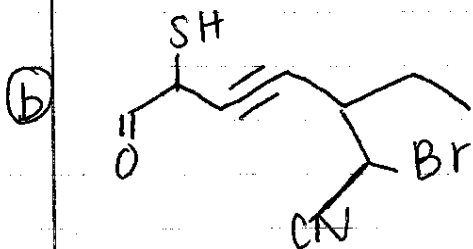
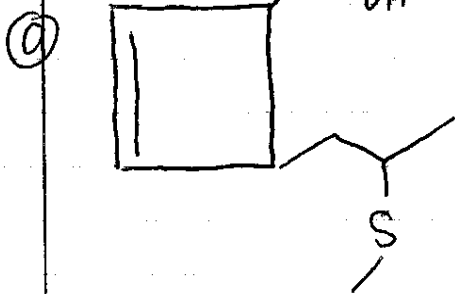
Ⓑ 3-chloro-6-cyano-7-ethoxy-4-pentanoic acid

Ⓒ 3-(1-iodoethyl) 4-oxopentanenitrile

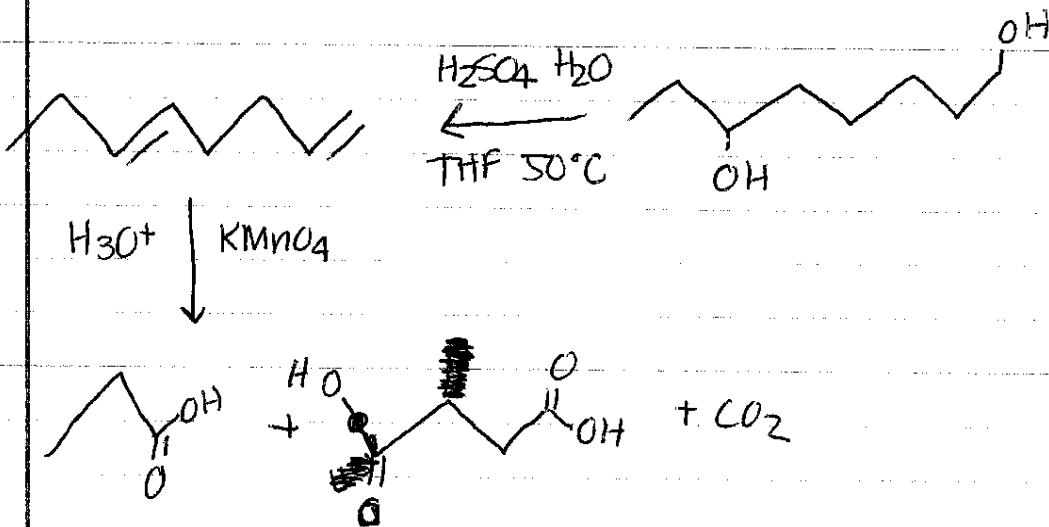
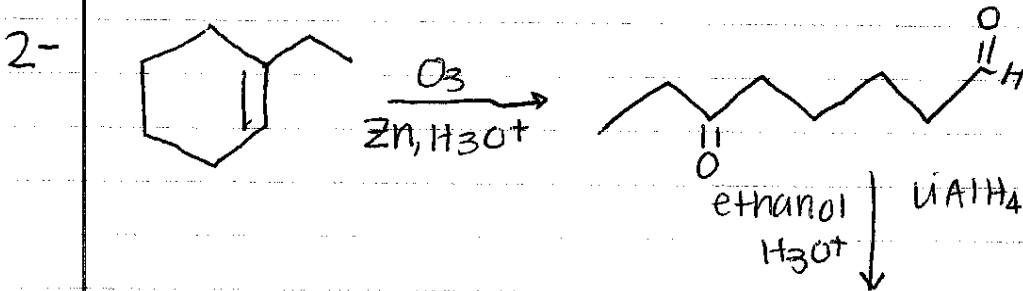
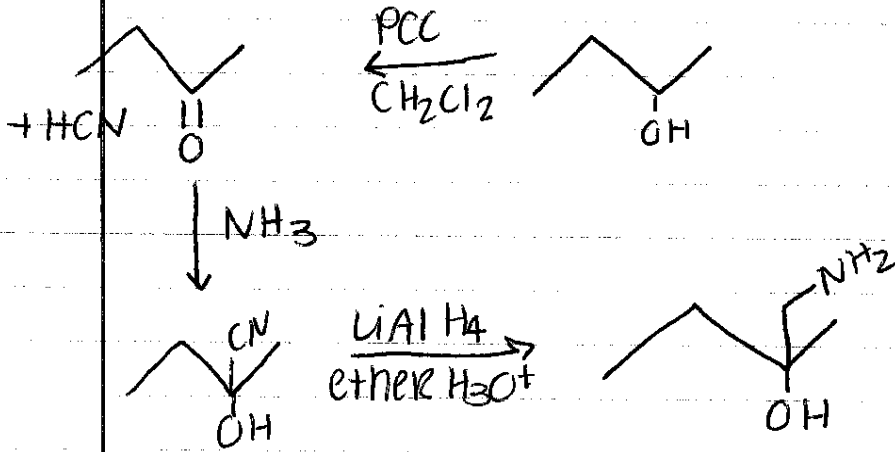
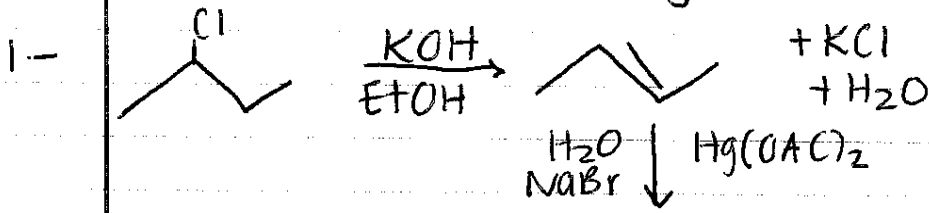
Ⓓ 4-methoxy-2-mercapto-6-propylthio cyclohexanenitrile.

Ⓔ 2-bromo-2-chloro-9-cyano-4,5-epoxy-7-hydroxy-6-oxononanoic acid

② drawing:



③ Prepare the following



3

