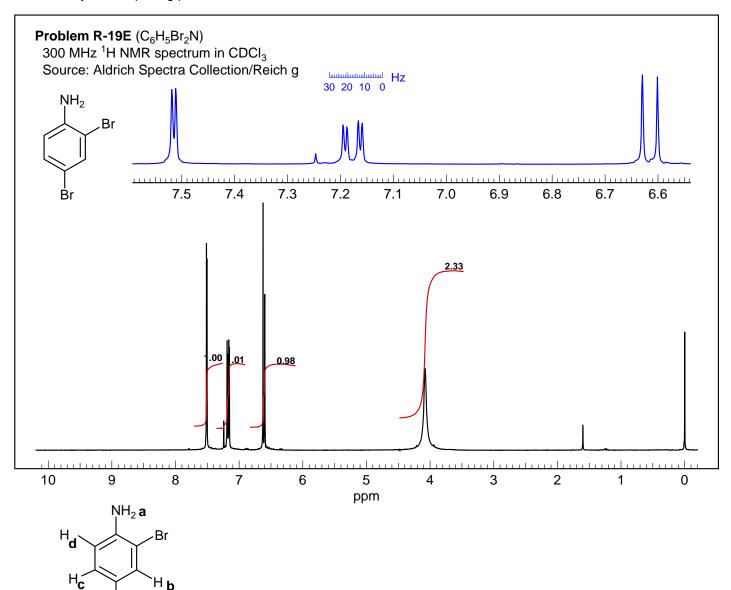


Name

ID Number ——

7. (7 pts.) The ¹H NMR spectrum of 2.4-dibromoaniline appears below. Assign all the absorptions in the spectrum and analyze the splitting patterns.



Fill in the blanks.

Protons **a** appear at δ and are coupled to proton(s)......

Proton **b** appear at δ and are coupled to proton(s)......

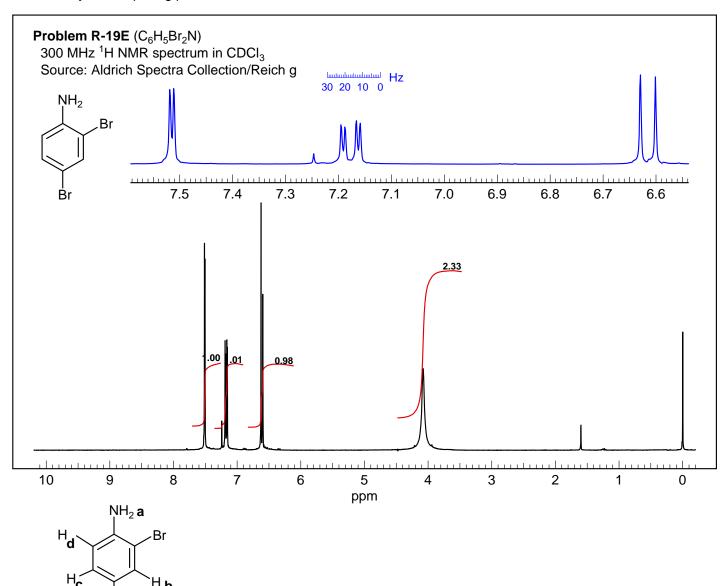
Proton **c** appear at δ and are coupled to proton(s).

Proton **d** appear at δ and are coupled to proton(s)......

Name

ID Number -

7. (7 pts.) The ¹H NMR spectrum of 2.4-dibromoaniline appears below. Assign all the absorptions in the spectrum and analyze the splitting patterns.



Fill in the blanks.

Protons **a** appear at δ and are coupled to proton(s) none.

Proton **c** appear at δ and is coupled to proton(s) b and d

Proton **d** appear at δ and is coupled to proton(s) <u>c</u>.