Quiz Ca, Biochem 1 Name:

Please write your name on the other side

1) Draw the peptide DVMHS (in the N -> C direction).

Draw all the peptide bonds in the dominant resonance structure, except the peptide bond between D and V, which is to be drawn in the alternative resonance structure.

Indicate proper stereochemistry at all C.

Draw a box around the last two consecutive sets of coplanar atoms.

Draw chemically correct sidechains.

Label one pair of torsion angles phi and psi.

Indicate dominant protonation state if the pH is 7.0

2) Draw the peptide AAY (in the C -> N direction).

Draw chemically correct sidechains.

Indicate proper stereochemistry at all C.

Indicate dominant protonation state if the pH is 7.0.