Biochem 1 Name:

Also write your name on the other side of this page.

Draw the second tetrahedral intermediate of the serine protease mechanism. Include the catalytic triad but not the oxyanion hole.

What is the second nucleophile in the serine protease mechanism?

For one complete catalytic cycle of a serine protease, list the number of

Reactants (substrates) \_\_\_\_

Products \_\_\_\_

How many times does His 57 act as a base during one cycle of a serine protease?