Note. This is an open brain, open HHA, closed book, quiz. Please fill in the blanks. Show no work.

Q5a: For each lowercase (uppercase) Greek letter, write the uppercase (lowercase) version along with its name. Ex. "A: ." You fill in: $\underline{\alpha \text{ (alpha)}}$.

ω: H: ζ:

Υ: κ:

Q5b: Let R be the region in the first quadrant which lies between the y-axis and the curve $y=x^4$, and between the lines $y=16$ and $y=81$. Let S be the SoR obtained by rotating R around the y-axis. Express $\text{Vol}(S)$ as

$$\int_A^B \text{Integrand} \cdot d\text{Var}$$

where $A =$ & $B =$ (numbers). Furthermore Var $=$ ("x" or "y") and Integrand= .

     Q5a: __ __   25pts

     Q5b: __ __   25pts

     Total: __ __   50pts

Print name   Ord: