Calculus II. Quiz 2. Name		Time
C1	C 11 1/	1

Show all work on this page for full and/or partial credit. Put a box around your final answers in each part.

1. Set up an integral for: the region bounded by: y = 2, y = 3, x = 3y, $x = y^2$; rotated around the y-axis. (Just set up, don't actually integrate!)

2. Find the volume of: the region bounded by: y = 0, y = 1, y = x, $y = \sqrt{\ln(x)}$; rotated around the x-axis. (Hint: solve that last equation for x.) Don't round: your answer should be expressed in terms of π and e.