Math 1B (9:30am - 1	0:20am)
Quiz 4 Version D	
Fri May 7, 2010	

SCORE: ___/30 POINTS

What month is your birthday?
What are the first 2 digits of your address?
What are the last 2 digits of your zip code?
What are the last 2 digits of your social security number?

[IF YOU DO NOT HAVE A SOCIAL SECURITY NUMBER, USE YOUR STUDENT ID NUMBER]

NO CALCULATORS ALLOWED

The base of a solid is the region in the first quadrant bounded by x + 2y = 4 and the x – and y – axes.

SCORE: __/4 POINTS

Cross sections perpendicular to the x – axis are equilateral triangles.

Write, BUT DO NOT EVALUATE, an integral for the volume of the solid.

SEE 7:30 VERSION A QUESTION 4

The region bounded by $y = \frac{x}{2}$, y = x - 1 and y = 0 is revolved around y = 3.

SCORE: __/ 4 POINTS

Write, BUT DO NOT EVALUATE, an integral for the volume of the solid.

SEE 7:30 VERSION A QUESTION 5

Find the area between the curves $y = x^2$ and $y = (x - 2)^2$ on the interval $0 \le x \le 3$.

SCORE: __/ Z POINTS

SEE 7:30 VERSION A OUESTION 3

SCORE: __/ \int POINTS

[a] Write, BUT DO NOT EVALUATE, an integral for the volume of the solid USING THE DISK OR WASHER METHOD.

SEE 7:30 VERSION A QUESTION Da

[b] Write, **BUT DO NOT EVALUATE**, an integral for the volume of the solid **USING THE SHELL METHOD**.

SEE 7:30 version A QUESTION 26

Find the area of the region bounded by $y = \ln x$, x = 4 and y = 0.

SCORE: __/ __ POINTS

SEE 7:30 VERSION A QUESTION /