

SAME AS #3 ON OTHER QUIZ

The region in the 1st quadrant bounded by $y = x^3$ and $y = 4x$ is revolved around $x = 2$.

SCORE: ____ / 3 POINTS

Write an integral (or sum of integrals) for the volume USING EITHER THE DISC OR WASHER METHOD.
DO NOT EVALUATE THE INTEGRAL.

SAME AS #2 ON OTHER QUIZ

The region defined by $y \geq -2x$, $y \geq x - 3$ and $y \leq 0$ is revolved around $y = 4$.

SCORE: ____ / 6 POINTS

Write an integral (or sum of integrals) for the volume

[a] USING THE DISC OR WASHER METHOD. DO NOT EVALUATE THE INTEGRAL.

SAME AS #5b ON OTHER QUIZ

[b] USING THE SHELL METHOD. DO NOT EVALUATE THE INTEGRAL.

SAME AS #5a ON OTHER QUIZ