TOPIC

Mathematics – Section I – Question 6

The volume generated by rotating $y = x^3$, $0 \le x \le 3$ around the x-axis is most nearly (A) $\pi 3^3$ (B) $\frac{3^4}{4}$ (C) $\frac{\pi 3^6}{6}$ (D) $\frac{\pi 3^7}{7}$

HINT

A volume element will have an area of πy^2 .

CONTRIBUTOR

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