

**TOPIC**

Mathematics – Section I – Question 6

**QUESTION**

The volume generated by rotating  $y = x^3$ ,  $0 \leq x \leq 3$  around the  $x$ -axis is most nearly

(A)  $\pi 3^3$

(B)  $\frac{3^4}{4}$

(C)  $\frac{\pi 3^6}{6}$

(D)  $\frac{\pi 3^7}{7}$

**CONTRIBUTOR**

Autar Kaw