

Integ. Apps – 900

■ The value of a such that the area between the curves $y = x^2$ and $y = \sqrt{x}$ on the interval $[0, a]$ is double the area between the two curves on the interval $[0, 1]$

A) $2^{1/2}$

B) $2^{3/2}$

C) $2^{2/3}$

D) $2^{1/3}$