

5. 设椭圆 $C_1: \frac{x^2}{a^2} + y^2 = 1 (a > 1)$, $C_2: \frac{x^2}{4} + y^2 = 1$ 的离心率分别为 e_1, e_2 . 若 $e_2 = \sqrt{3}e_1$, 则

$a =$ ()

A. $\frac{2\sqrt{3}}{3}$

B. $\sqrt{2}$

C. $\sqrt{3}$

D. $\sqrt{6}$