

$$\int 3x^2(1 + x^3)^5 dx$$

- A) $(1 + x^3)^6 + C$
- B) $\frac{1}{6}(1 + x^3)^6 + C$
- C) $6(1 + x^3)^6 + C$
- D) $(1 + x^3)^5 + C$