

Evaluate the following. Match column A with Column B. Write the letters of the correct answer.

Column A

1. $\int (3x+2)^5 dx$
2. $\int \frac{dx}{\sqrt{1+4x}}$
3. $\int \frac{x dx}{\sqrt{1+x^2}}$
4. $\int \sqrt[3]{1-3x} dx$
5. $\int (2x^2+3)^7 4x dx$

Column B

- A. $\sqrt{1+x^2} + C$
- B. $\frac{(3x+2)^6}{18} + C$
- C. $-\frac{\sqrt[3]{(1-3x)^4}}{4} + C$
- D. $\frac{\sqrt{1+4x}}{2} + C$
- E. $\frac{(2x^2+3)^8}{8} + C$