

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. $\frac{(2x^2+3)^8}{8} + C$