

Antiderivatives 3

- $f'(x) = e^{2x}$
- $f'(x) = e^{-2x}$
- $f'(x) = e^{3x-2}$
- $f'(x) = e^{4x+5}$
- $f'(x) = e^{3-5x}$
- $f'(x) = e^{-3-2x}$
- $f'(x) = xe^{x^2}$
- $f'(x) = x^2e^{x^3}$
- $f'(x) = x^{-2}e^{x^{-1}}$
- $f'(x) = x^{\frac{1}{2}}e^{\frac{1}{x^2}}$
- $f'(x) = \frac{3}{x}$
- $f'(x) = -\frac{2}{x}$
- $f'(x) = \frac{1}{x+1}$
- $f'(x) = \frac{2}{x+3}$

Answers

- $f(x) = \frac{1}{2}e^{2x} + c$
- $f(x) = -\frac{1}{2}e^{-2x} + c$
- $f(x) = \frac{1}{3}e^{3x-2} + c$
- $f(x) = \frac{1}{4}e^{4x+5} + c$
- $f'(x) = -\frac{1}{3}e^{3-5x} + c$
- $f(x) = -\frac{1}{2}e^{-3-2x} + c$
- $f(x) = \frac{1}{2}e^{x^2} + c$
- $f(x) = \frac{1}{3}e^{x^3} + c$
- $f(x) = -e^{x^{-1}} + c$
- $f(x) = 2e^{\frac{1}{x^2}} + c$
- $f(x) = 3\ln|x| + c$
- $f(x) = -2\ln|x| + c$
- $f(x) = \ln|x+1| + c$
- $f(x) = 2\ln|x+3| + c$

- $f'(x) = \frac{1}{1-x}$
- $f'(x) = \frac{1}{2-3x}$
- $f'(x) = \frac{2x}{1+x^2}$
- $f'(x) = \frac{x}{x^2-1}$
- $f'(x) = \frac{x}{1-x^2}$
- $f'(x) = \frac{x^2}{x^3-1}$
- $\int e^{-5x} dx$
- $\int e^{6x} dx$
- $\int e^{x+4} dx$
- $\int e^{2x-1} dx$
- $\int e^{-x+2} dx$
- $\int e^{-3x+5} dx$
- $\int e^{4x+1} dx$

- $f(x) = -\ln|1-x| + c$
- $f(x) = -\frac{1}{3}\ln|2-3x| + c$
- $f(x) = \ln|1+x^2| + c$
- $f(x) = \frac{1}{2}\ln|x^2-1| + c$
- $f(x) = -\frac{1}{2}\ln|1-x^2| + c$
- $f(x) = \frac{1}{3}\ln|x^3-1| + c$
- $-\frac{1}{5}e^{-5x} + c$
- $\frac{1}{6}e^{6x} + c$
- $e^{x+4} + c$
- $\frac{1}{2}e^{2x-1} + c$
- $-\frac{1}{2}e^{-x+2} + c$
- $-\frac{1}{3}e^{-3x+5} + c$
- $\frac{1}{4}e^{4x+1} + c$

- $\int xe^{-x^2} dx$
- $\int (x+1)e^{-(x+1)^2} dx$
- $\int x^2e^{-x^3} dx$
- $\int x^3e^{x^4} dx$
- $\int \frac{1}{2-x} dx$
- $\int \frac{1}{2x+3} dx$
- $\int \frac{x}{x^2-4} dx$
- $\int \frac{3x}{x^2+9} dx$
- $\int \frac{3x^3}{x^3+8} dx$
- $\int \frac{4x^3}{x^4+1} dx$
- $\int \frac{x+3}{x^2+6x-7} dx$
- $\int \frac{x+3}{x^2+x-6} dx$
- $-\frac{1}{2}e^{-x^2} + c$
- $-\frac{1}{2}e^{-(x+1)^2} + c$
- $-\frac{1}{3}e^{-x^3} + c$
- $\frac{1}{4}e^{x^4+1} + c$
- $-\ln|2-x| + c$
- $-\frac{1}{2}\ln|2x+3| + c$
- $\frac{1}{2}\ln|x^2-4| + c$
- $\frac{3}{2}\ln|x^2+9| + c$
- $\ln|x^3+8| + c$
- $\ln|x^4+1| + c$
- $\frac{1}{2}\ln|x^2+6x-7| + c$
- $\ln|x-2| + c$