

Example

Find an antiderivative of the following functions.

(a) $f(x) = 10x^9$

(b) $f(x) = 5e^x$

Example

Find the following indefinite integrals.

(a) $\int \left(\frac{1}{2}x^{-1/2} \right) dx$

(b) $\int (3x^2 + 2x) dx$

(c) $\int (2ax) dx$