

Bestem integralet

$$\int \left(8 \cdot x^3 - e^x + \frac{1}{x} \right) dx$$

| $f(x)$ | $F(x)$ | |
|---------------|-------------------------------------|-----|
| k | $k \cdot x + C$ | (1) |
| $k \cdot x$ | $k \cdot \frac{1}{2} \cdot x^2 + C$ | (2) |
| x^n | $\frac{1}{n+1} \cdot x^{n+1} + C$ | (3) |
| e^x | $e^x + C$ | (4) |
| $\frac{1}{x}$ | $\ln(x) + C$ | (5) |
| \sqrt{x} | $\frac{2}{3}x^{3/2} + C$ | (6) |

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$$\int (8 \cdot x^3) dx = 8 \cdot \frac{1}{1+3} \cdot x^{1+3} + C$$

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