POLYNOMIFUNKTION INTEGROIMINEN

$D x^5 = 5x^4$

$\int 5x^4 \, dx = x^5 + C$

$$\int x^n \, dx = \frac{x^{n+1}}{n+1} + C$$

$$\int x^r \, dx = \frac{1}{r+1} x^{r+1} + C$$

$\int x^4 \, dx = \frac{1}{5} x^5 + C$

$\int 3x^4 \, dx = 3 \cdot \frac{1}{5} x^5 + C$

$= \frac{3}{5} x^5 + C$

$f(x) = x^3 - 2x^2 + 5x - 7$

$\int f(x) \, dx = \int (x^3 - 2x^2 + 5x - 7) \, dx$

$= \frac{1}{4} x^4 - 2 \cdot \frac{1}{3} x^3 + 5 \cdot \frac{1}{2} x^2 - 7x + C$

$= \frac{1}{4} x^4 - \frac{2}{3} x^3 + \frac{5}{2} x^2 - 7x + C$

ESIM 1 – 3 S. 44 →

S. 50 - 51

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73
75
77
78
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tai
sanja 2