

$$\int (1 - x^2 + x^4 - x^6) dx = x - \frac{x^3}{3} + \frac{x^5}{5} - \frac{x^7}{7} + c$$

$$\int \left( \frac{1}{x^2} + \sqrt{2} \cdot x^2 \right) dx = -\frac{1}{x} + \sqrt{2} \cdot \frac{x^3}{3} + c$$

$$\int (k \cdot \sqrt{a}) da = \int \left( k \cdot a^{\frac{1}{2}} \right) da = k \cdot \frac{a^{\frac{3}{2}}}{\frac{3}{2}} + c = \frac{2}{3} \cdot k \cdot \sqrt{a^3} + c$$

$$\int (x^{c-1} + 2 \cdot x^{c-2} - x^c) dx = \frac{x^c}{c} + 2 \cdot \frac{x^{c-1}}{c-1} - \frac{x^{c+1}}{c+1} + d$$

$$\int (2 \cdot \sin x - 3 \cdot \cos x) dx = -2 \cdot \cos x - 3 \cdot \sin x + c$$

$$\int \left( k \cdot \frac{1}{\sqrt{t}} - \sqrt{t} \right) dt = \int \left( k \cdot t^{-\frac{1}{2}} - t^{\frac{1}{2}} \right) dt = k \cdot \frac{t^{\frac{1}{2}}}{\frac{1}{2}} - \frac{t^{\frac{3}{2}}}{\frac{3}{2}} + c = 2 \cdot k \cdot \sqrt{t} - \frac{2}{3} \cdot \sqrt{t^3} + c$$