

Arvuta $\int_1^6 12x^3 - 9x^2 + 2dx.$

Arvuta $\int_2^1 \frac{2y^3 - 6y^2}{y^2} dy.$

Arvuta $\int_0^{\frac{\pi}{2}} (7 \sin t - 2 \cos t) dt.$

Arvuta $\int_1^4 \left(\frac{40}{\sqrt{t}} - 60\sqrt{t^3} \right) dt$