

Вычислить интегралы:

1. $\int_{-1}^1 5x^4 dx$; 2. $\int_1^3 (2x+4) dx$; 3. $\int_0^2 (x^3-8x) dx$;

4. $\int_{-1}^3 8x^3 dx$; 5. $\int_{-2}^1 (3x^2+1) dx$; 6. $\int_{-1}^2 (x^3-6) dx$;

7. $\int_{\pi}^{2\pi} 2 \cos x \, dx$; 8. $\int_0^{\frac{\pi}{2}} \sin 3x \, dx$; 9. $\int_0^{\frac{\pi}{2}} 2 \cos 2x \, dx$.