

25 integrals

Find the definite and indefinite integrals. For convenience, do work on a separate sheet of paper and write answers here. Some require u-substitution or other creativity.

$$\int_3^{23} 8 \, dx$$

$$\int_{-10}^2 x + 3 \, dx$$

$$\int_0^1 88x^{10} \, dx$$

$$\int_4^2 x^3 \, dx$$

$$\int 3x^5 - 5x + 9 \, dx$$

$$\int_1^9 0 \, dx$$

$$\int_1^7 x^2 - 1 \, dx$$

$$\int_0^{2\pi} \sin(x/6) \, dx$$

$$\int_{-3}^7 |x| \, dx$$

$$\int x(x^2 - 1)^{10} \, dx$$

$$\int_{-3}^3 (x + 5)^2 \, dx$$

$$\int \frac{1}{(5x+6)^7} \, dx$$

$$\int_0^8 \frac{1}{\sqrt[3]{x}} \, dx$$

$$\int \frac{4}{x^5} - \frac{5}{x^4} \, dx$$

$$\int_{-7}^7 \sin^7 x \, dx$$

$$\int \tan^2 x \sec^2 x \, dx$$

$$\int x\sqrt{1+9x^2} \, dx$$

$$\int_5^5 \sin(x^2) \, dx$$

$$\int \frac{x^3 - 2x + 1}{\sqrt{x}} \, dx$$

$$\int_0^{\pi/3} 3\sec^3 x \tan x \, dx$$

$$\int 4x(2-x)^7 \, dx$$

$$\int \cos x - \csc^2 x \, dx$$

$$\int_1^2 8x(x^2 + 1)^3 \, dx$$

$$\int x^2\sqrt{x-3} \, dx$$

$$\int_8^{18} \sin^2 x + \cos^2 x \, dx$$