

Problem 1

Find $\int_0^1 2x \, dx$

Problem 2

Find $\int_0^{\pi/2} \cos(x) \, dx$

Problem 3

Find $\int_{-2}^0 4 - x^2 \, dx$

Problem 4

Find $\int_{-1}^1 4x + 4x^3 \, dx$

Problem 5

Find $\int_1^2 x(x^3 + x^2) \, dx$ (you don't need to simplify).

Problem 6

Find $\int_1^2 \frac{x^3 + x^2}{x} \, dx$ (you don't need to simplify).