

Homework: Evaluating Double Integrals

Evaluate the double integrals.

$$1. \int_1^6 \int_1^2 dy dx$$

$$2) \int_0^{\pi/2} \int_0^2 y \cos x dy dx$$

$$3) \int_1^2 \int_0^1 (1 + 4x^3 y) dx dy$$

$$4) \int_1^2 \int_x^3 xy dy dx$$