



$$\textcircled{2} \iint_D f(x, y) dx dy = \int_a^b h(x) dx$$

$$= \int_a^b \left[ \int_{y_1(x)}^{y_2(x)} f(x, y) dy \right] dx$$

$$= \int_a^b dx \int_{y_1(x)}^{y_2(x)} f(x, y) dy$$