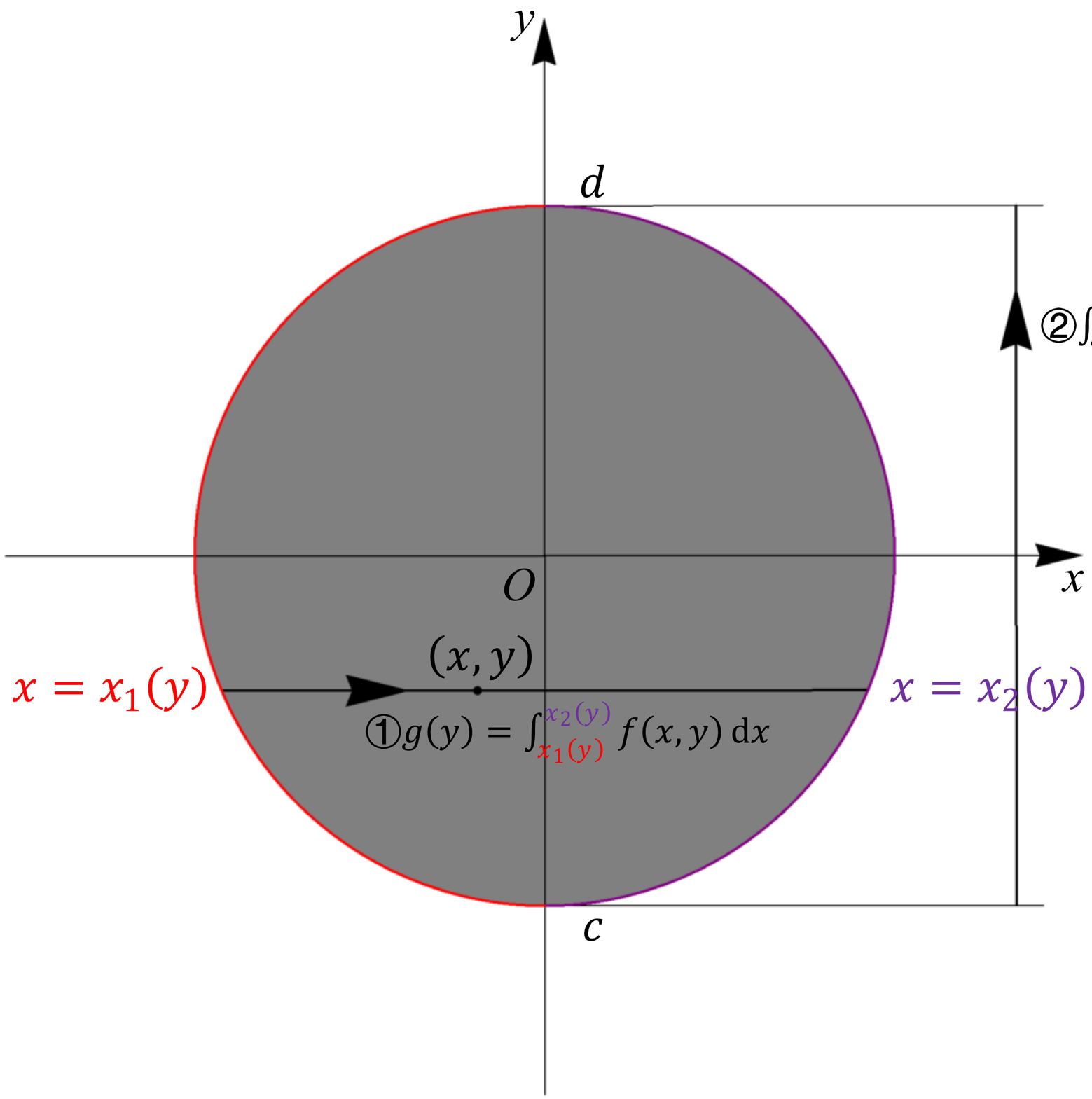

$$②\iint_D f(x,y)\mathrm{d}x\mathrm{d}y = \int_c^d g(y)\,\mathrm{d}y$$
$$= \int_c^d \left[\int_{x_1(y)}^{x_2(y)} f(x,y)\,\mathrm{d}x\right]\mathrm{d}y$$
$$= \int_c^d \mathrm{d}y \int_{x_1(y)}^{x_2(y)} f(x,y)\,\mathrm{d}x$$