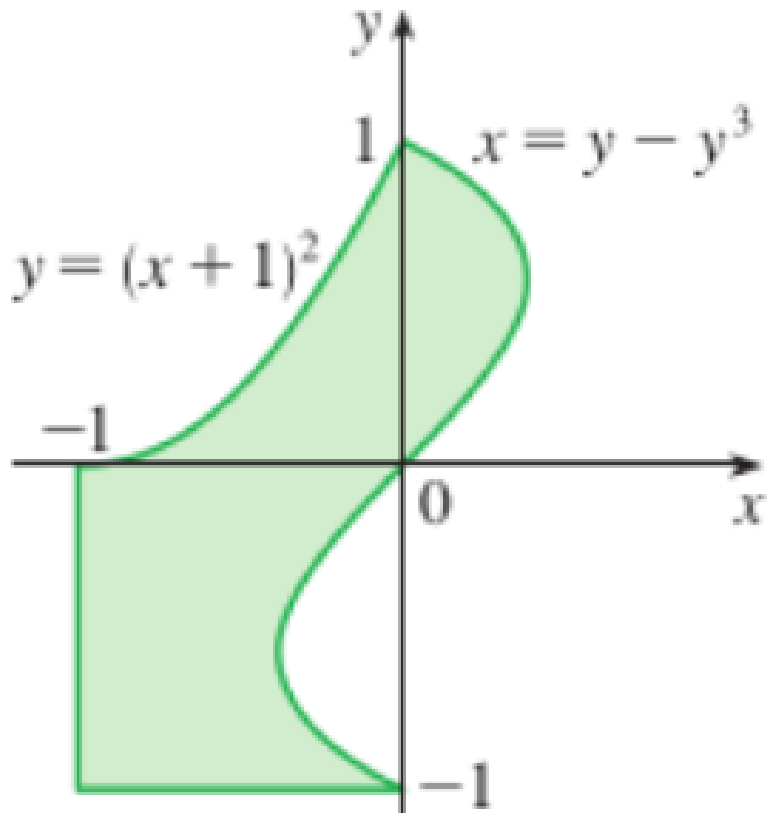
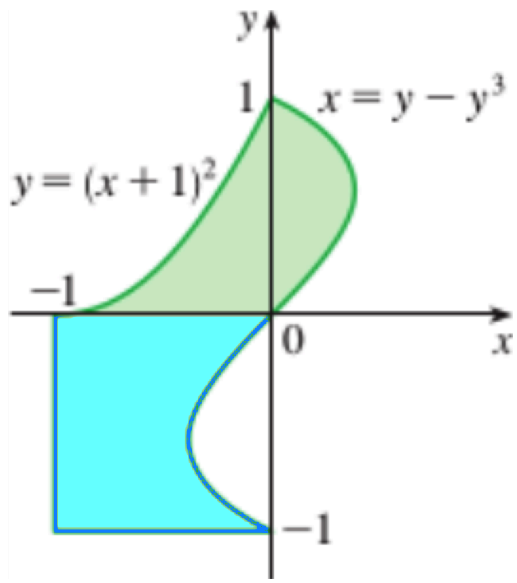


Goals for today

Evaluating double integrals.



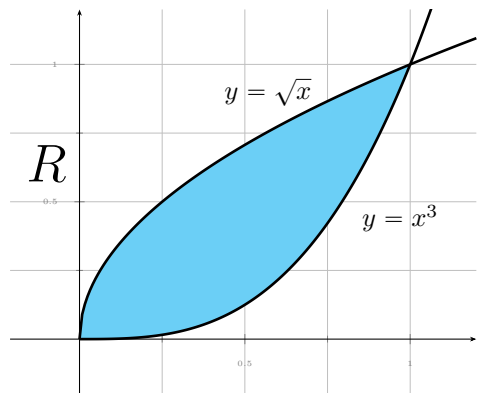
$$\iint_A y \, dA$$



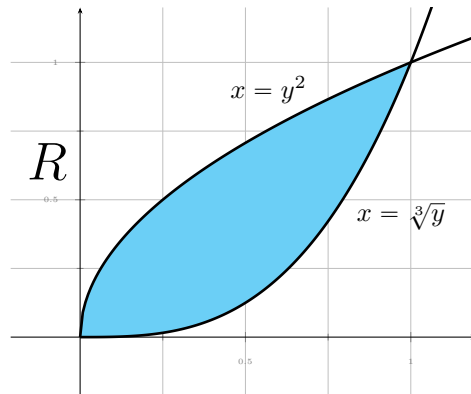
$$\iint_A y \, dA = \iint_B y \, dA + \iint_C y \, dA$$

$$\int_0^1 \int_{x^3}^{\sqrt{x}} y \, dy \, dx = \iint_{?} y \, dA$$

$$\int_0^1 \int_{x^3}^{\sqrt{x}} y \, dy \, dx = \iint_R y \, dA$$



$$\int_0^1 \int_{x^3}^{\sqrt{x}} y \, dy \, dx = \iint_R y \, dA$$



$$\iint_R y \, dA = \int_0^1 \int_{y^2}^{\sqrt[3]{y}} y \, dx \, dy$$

$$\int_0^1 \int_{x^3}^{\sqrt{x}} y \, dy \, dx = \int_0^1 \int_{y^2}^{\sqrt[3]{y}} y \, dx \, dy$$