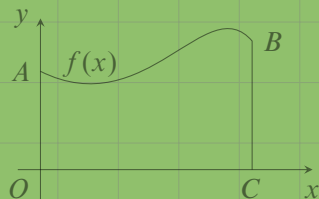
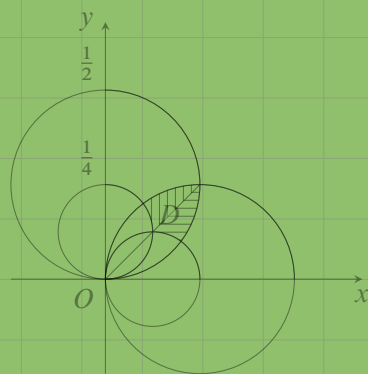
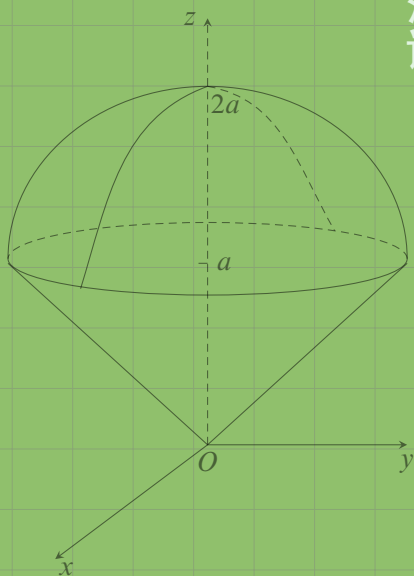


$$f(x) = \lim_{n \rightarrow \infty} \sqrt[n]{1 + x^n + \left(\frac{x^2}{2}\right)^n} \quad (x > 0)$$



大学生 数学竞赛教程

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$$\iiint_{\Omega} f(x, y, z) dV = \iint_D dx dy \int_{z_1(x, y)}^{z_2(x, y)} f(x, y, z) dz$$

$$I_n = \int_{2n}^{2n+2} f(x-2n)e^{-x} dx \quad (n = 2, 3, \dots)$$



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