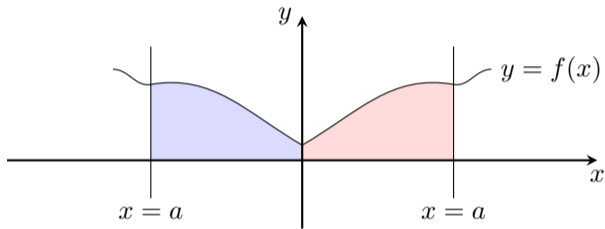


Jos $f(-x) \equiv f(x)$, niin $\int_{-a}^a f(x) dx = 2 \int_0^a f(x) dx$.



$$A = \text{[blue area]} + \text{[red area]} = 2 \times \text{[blue area]}$$