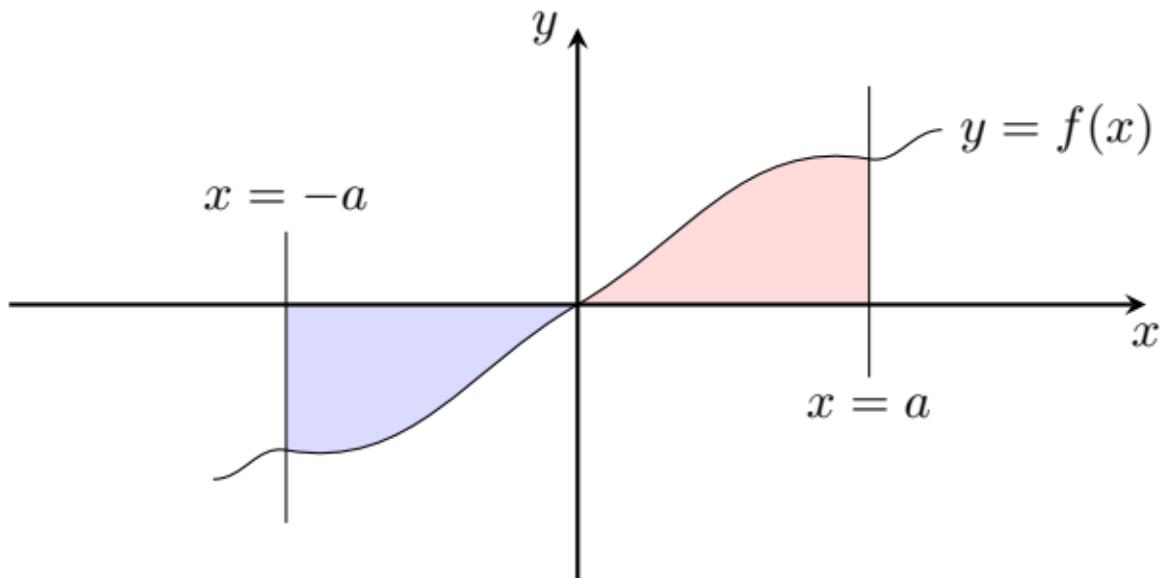


Jos $f(-x) \equiv -f(x)$, niin $\int_{-a}^a f(x) dx = 0$.



$$A = \text{[red shaded area]} - \text{[blue shaded area]} = 0$$