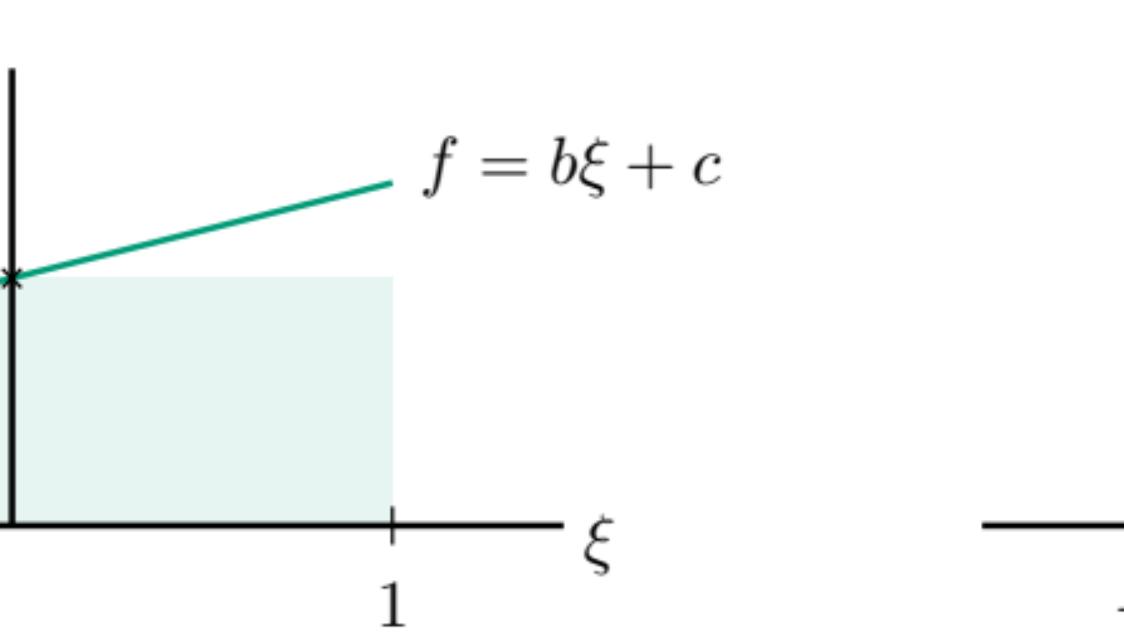
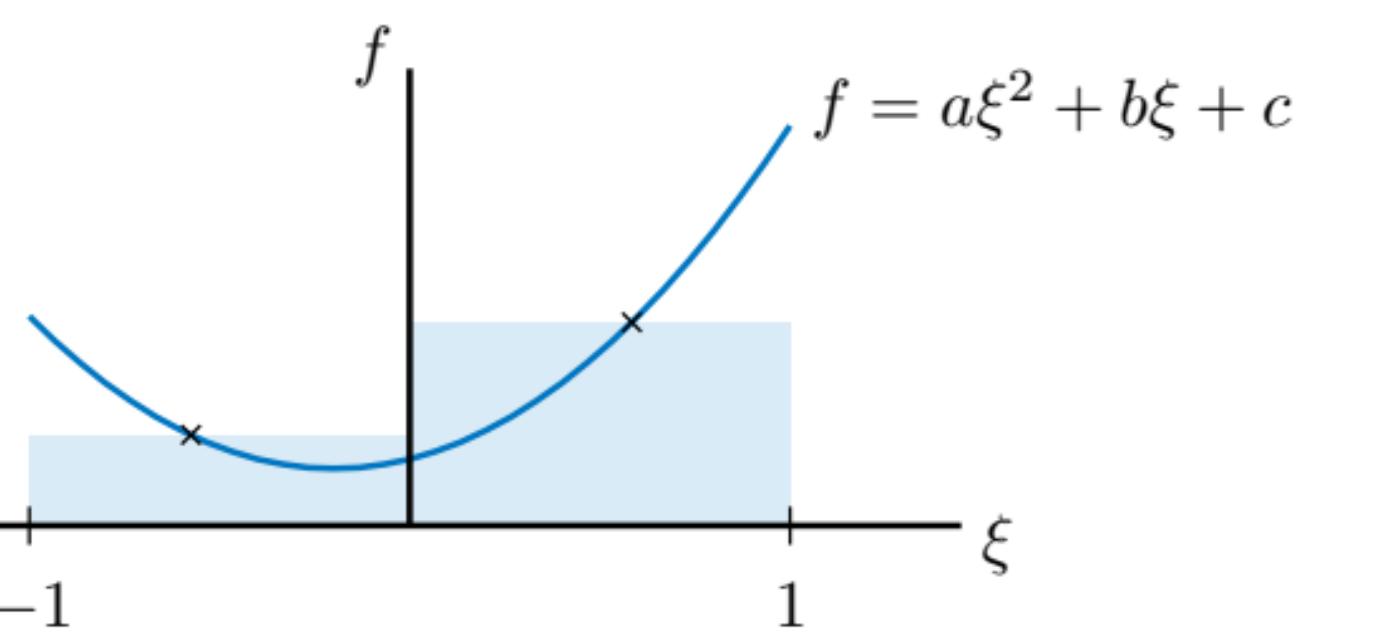


$$\int_{-1}^1 f \, d\xi = 2f$$



$$f = b\xi + c$$



$$f = a\xi^2 + b\xi + c$$

$$\int_{-1}^1 f \, d\xi = 2f(0)$$

$$\int_{-1}^1 f \, d\xi = f\left(-\frac{1}{\sqrt{3}}\right) + f\left(\frac{1}{\sqrt{3}}\right)$$