Zad. 5 (SS)

$$f(x) = \begin{cases} 0 & x \le \alpha, \\ \frac{1}{b-a} & \alpha < x < \beta \\ 0 & beta \le x \end{cases}$$

$$EX = \int_{-\infty}^{\infty} x f(x) dx = \int_{\alpha}^{\beta} x f(x) dx$$

$$ext{VarX} = ext{EX}^2 - EX$$
 $ext{VarX} = \int\limits_{lpha}^{eta} x^2 f(x) dx - \int\limits_{lpha}^{eta} x f(x) dx$