7. X - 2 midning losons organia,

Policy, the E(aX+b) = aEX+bolef. E(X) - v, overlines em.los, X $E(x) = \int_{IR} x f(x) dx$.

 $E(aX+b) = \int_{\mathbb{R}} (ax+b) f(x) dx = \int_{\mathbb{R}} exf(x) + bf(x) dx = \int_{\mathbb{R}} axf(x) dx + \int_{\mathbb{R}} f(x) dx = \int_{\mathbb{R}} xf(x) dx + \int_{\mathbb{R}} f(x) dx + \int_{\mathbb{R}} f(x)$