MTH224 3/8/23  $-F_{\chi}(a) = P(\chi \leq a) = f_{\chi}(\chi) d\chi$   $= P(a \leq \chi \leq b) = f_{\chi}(b) - f_{\chi}(a)$ - p3f: f(x), c3f: fx(x), Fx(x)=F(x) example Continuous r.v., EEXJ-- Var(X)= E(X-E[X])