meoperia: Typens f(x) nempep na [a, b] u F(x) remom.
nepsecop. na [a, b] , morga If f(x)dx = F(b) - Faas  $\int f(x)dx = F(x) \Big|_a^b = F(b) - F(a)$   $\int f(x)dx = F(x) \Big|_a^b = F(b) - F(a)$ 

D-60! Paceu. uni e nepeu Cepxoueu spegenou  $F(x) = \int_{0}^{x} f(t)olt \Rightarrow F(x) = f(x) \forall x \in [a, b]$ a not. Sappay  $F(x) = f(x) \forall x \in [a, b]$ no your of f(x) = f(x)

J(x) = F(x)+c'(+xe[a,6]) Mm x = a F(a) = F(a) + c => c = F(a) My X=6 F(b) = F(b) + F(a) = f(x)dx - F(a) => =>  $\int f(x)dx = \mathcal{F}(b) - \mathcal{F}(a) = \mathcal{F}(x) | a$ 

frump! yesinx xe[0:17]  $\int_{0}^{\pi} \left| \int_{0}^{\pi} \left| \int_{$