Mean = E(x) = 50 x fx(x) dx = 5 x fxwdx of $\chi(x)$ is a poly of $\chi(x)$ due 1 15/01/2021 1x(x)= kx(2-x) ,06x62 $= \int_{0}^{\kappa} k(x)(2-x) dx = 1 = 1/4(k=3/4)$ (2) Mean (3) Variance (4) M.D. about 1 (x-x) f(x)dx about ream Deviation 1x-2 fx

Mean Deriation what Mean: (1x-x1) (x) de 00 val(x)= E(x2)-(E(x))2= 6-(1)2-(1/5 = [[x-1] } x (w) dn = J (12) dx (1) dx - J x2 kx (2-x) dx $\int x^{2}(2x) dx = \frac{3}{4} \int 2x^{2} - x^{4} dx$ $\int^{2} \left[\pi - 1 \right] \left(3 \right) \left(1 \right) \left(2 - \pi \right) d\pi$

 $0 > 1 - \kappa + 1 (1 - \kappa)^{-1}$ $0 > 1 - \kappa + 1 (1 - \kappa)^{-1}$ $0 < 1 - \kappa + 1 (1 - \kappa)^{-1}$ M.D about Mean = (2/x-11 3/4 x(2-x)dx 1-x) 3 x (2-x) dx 102x 111 [(n-1) 2/4 x (2-x) dx 12x 1/ x-1 }

TE(X) 100 $E(3\times 2)$ $= E(3\times)$ = 3 E(X) = 3 E(X) $= 3 \int x^{2} dx$ O oknewie 17270 $E(x) = \int x dx dx$ $= \int x (3x^2) dx$