Qua 2 1.(6) = -2-2; LC = arctay -2 LC = arctan 2 x 180/pi LC =0.785 LL= 45 LC= -0.785 2- V(t) = (4 cos(277 (10.0) + 30°) = 3.469 18/615 $\sqrt{(t)} = (2sin(2\pi(10-0)t - 60^{\circ})$ = -1.732050808 F(w) = Jf(t)e Jwbdt $f(\frac{\pi}{2}) = \frac{\pi}{2} 0, (0, \pi)$ -L Fe jut] 7 F(W) = IFWIX sync (t)

3) QUIZ, 2 Probability and statistics then P(x) = 1 a < x < b N = 2+2 t= (16-a)2 Here if is given a random variable that is uniformly distributed over ED, 13 B(X) = 1-0 10=XC P(X) = 1,04 X = 1 mean = 1+0 1 == \frac{1}{2} Statistical standard deviation t = \((1-0)^2 = \(\frac{1}{12} \)