



3 Enjontrar la transformacia de Fourier de la signunte sestal = X(t) = 4 scn (4tit + 7/4) + x cos(8tit) + 5 con k = 2(a+1) -> k = 2(7+1) = 2(8)=16 X(t) = 4 Sen (97)++17/4) + (6005 (87)+5 Para hallar la hanspirmada tenemos que = X1(t) = 410 n (Ant + 17/4) X-(1) = 16 WS (877 t X3(1) = 5 entonies, para X1(t)= () (sen (971+7/4) - Sen(4/1/4) 1 48cm (471 + +T/4) 45 f sen (4n + 11/4 13=4 F 2 F / ent n/a plant stra

= (I (e) 1 = e I I e . 2] = 2 (271) (W-411), e - e 271 S (N+471)) Paia X3(t) = 5 = 5.1 4981F1=1 5 4 14 = 2781 aus F 1 59 = 2(5) & (W) = 10 11 & (W) Para x2(2) = 16 (0) (8 nt) tenemos que para cos (+) = 1 (e) + e los (+) = 1 (e) + e los (e) (e) + e l 2 8 (e) + c 18 m c 8 (F1e)8nt) + F1e)8nt] (2718 (W-871) +2718 (W+871

