

PME 6) a H = 15015 T = 3.540 X7 18.000) - N(15.015, 3540) Z = X-M - 18.000 - 15.075 - 0,84 270,89 ~ N(0,1 1-P(Z < 0,84) = 1-0,3995 = 0,2005 > 20,05% D) P (x < 10.000) ~ N(15.015 | 3.540 - m = 10.000 - 15.015 - - 1,42 P(2<-1,42)~ MON Z < -1192) = P(Z 2/1/92) = 1-P(X < 1/42)= = 1-0,9222 = 0,0778 3 7,7190 U) P(12.000 ≤ x ≤ 19.000) ~ N (15.015 13.540) Z = 12000 - 15015 = -0,751 = 0 3540 $P(-0.1) \le Z \le O(1) = P(Z \le 0.34) - P(Z \le 0.35)$ $= O(2) \le O(3) - O(2) = O(2) = O(3)$ $= O(2) \le O(3) - O(2) = O(3)$ $= O(3) \le O(3) = O(3)$ $= O(3) \le O(3)$ $= O(3) \le$ 0,6018 3 60118 %

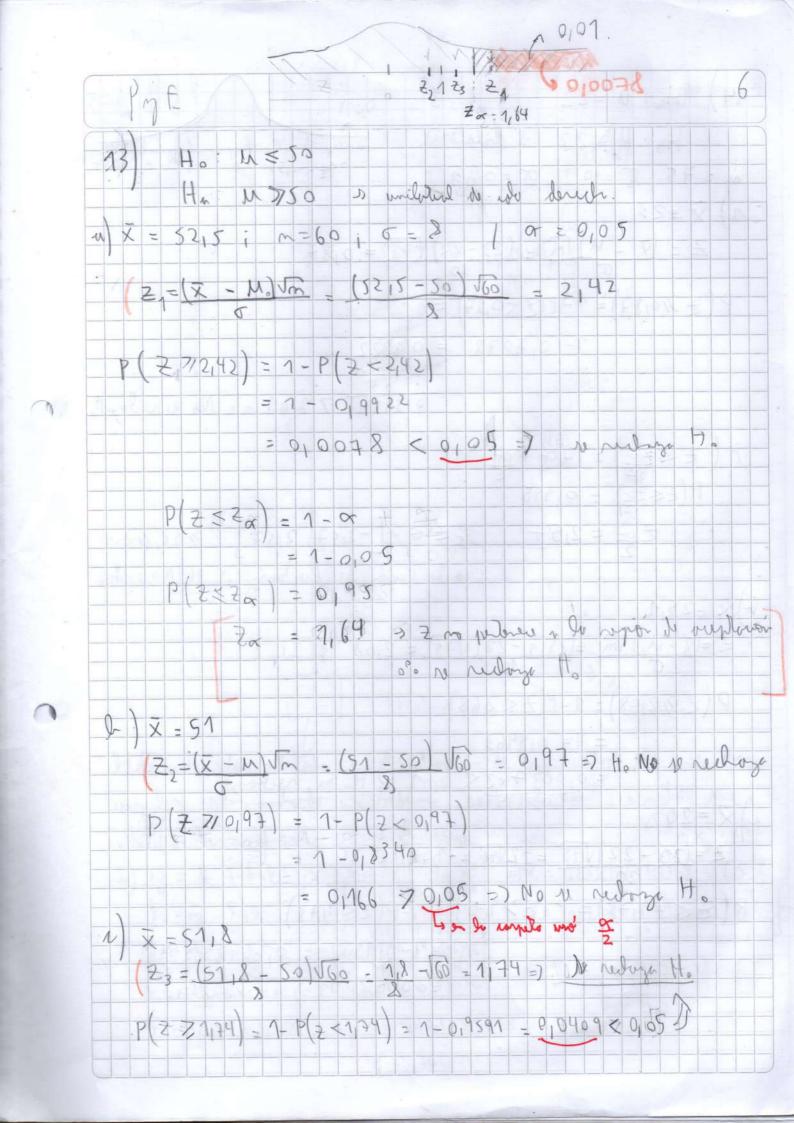
P(X7.14.000) ~ N(15.015,3540 2= 14.000 - 15.015 = -0,29 3540 P(Z7-0,29)=P(Z < 0,29 = 0,6747 & 61,41% 48 Planche 60 min X = 42 hou 4 Dlando _ 5 mi 15mm 12 11 0 - 1024.010133 - 0,1562 051 => In o/, de reulin 5 llonda on 5 min 4 de 15,62 of 2 dedo, ! stor lier pore % of lo begins on bunch? 2) P(10, 12) = 4210. e-12 = 0,7094 & Repol. de reulin 10 llans day on 15 min on do 10,449 () En 9 min habrá 4 llandos en sepera que modo Terme la la llarobe social al $(X = 0 ? -) P(0 | 4) = 4 e^{-4}$ = 1 = 010183 4 La note le agre & Donatos + meno as de 11 83% 8) P= 9130 9= 0,70 Bir (Nipp) W=10 Bi ~ (10,0130) (1) + (3) = (x-3) = (10) 01303 (0170) (10-3) = 20.01027.01032= 01266 or willing stagerout be religious tobayolout & sup il hobbidoper of N 5019.00

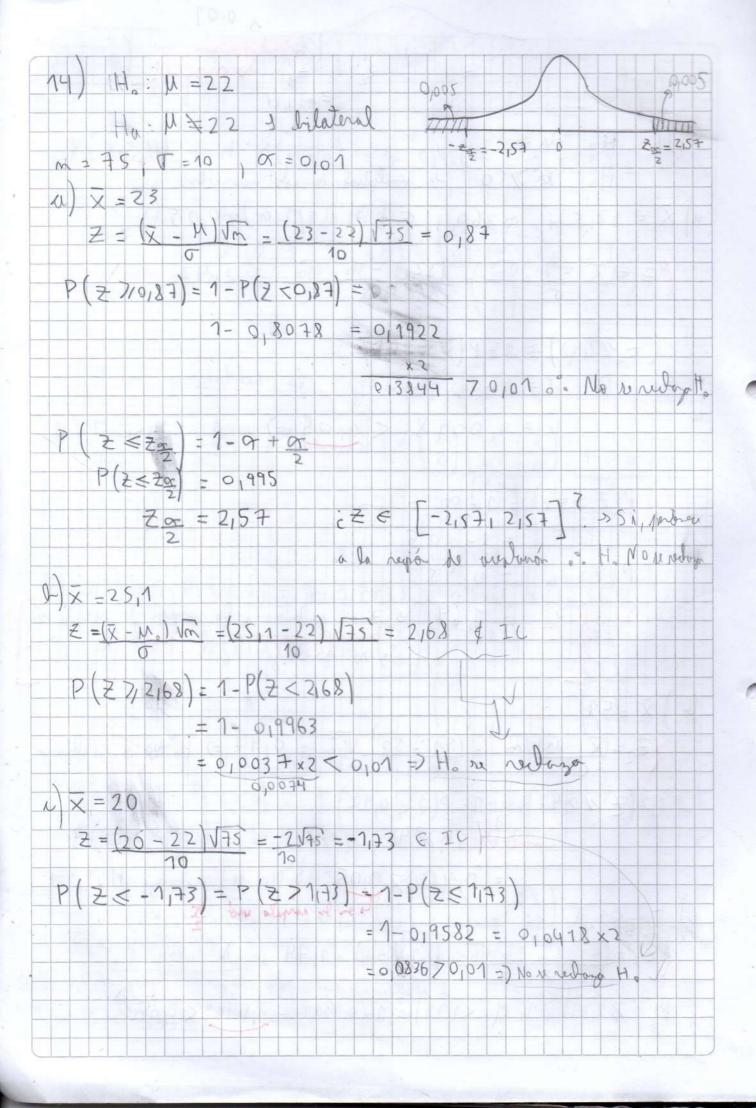
PME F(Z) 1 P(x73) = 1-P(x<3) -- = 1-(P(x=0)+P(x=1)+P(x=2)) / ~ Bi (10,0,80) P(x=0)= (10) (0130) 0 (0170) 10 = 010585 P(X=1)=(12) (0,30) (0,70) = 0,1211 P(X=2)=(10)(0,302(0130)8 = 015332 . = 1 - (019282 + 0,1211 + 9,2335 1-013828 P(x713) = 0/6172) of Do mobilided to give al minos 3 holosofor ensler il troyole sibleco es apouros med 61/72 % a F(2) = P(x < 2) = P(x = 0) + P(x = 1) + P(x = 2) 9 p = 9,20 = 01011s +010576 + 01368 =012059 = 1- 920 = 0,80 Hay 20,59% de pap de me 20orans of le must on $P(x=0) = \binom{20}{0} \binom{0}{20} \binom{0}{0} \binom{0}{0} \binom{0}{0} = 1.1.0,0115 = 0,0115$ P(X=1)=(20)(0120)-(0,10)19 = 20.0120.010144 = 010576 P(x=2)=(20).(0,20).(0,80)28 = 190-0,04-0,0180 = 0,1368 (-) P(x=4) = (20) 0124 0196 = 012182 3 27182 % U P(73) = 1-P(x < 3) = 1-P(x < 2) + P(x = 3) > 8 1-(0,2059+0,2054) = 0,587358,83%

P(X=3) = (30) · 0,23 · 0,317 = 0,2054 El n' superoto de shi 5000 E(x)= m 1 B(x)=20 0,20 = 9 1 min = 60 revy al P(0,10) = 10° · e-1° = 1 - 0,000 454 - La probledot de que as blegue ningin parajo In 10 0,00 454 % P(x < 3) = P(x = 0) + P(x = 1) + P(x = 2) + P(x = 3) 2 F 0 0 10 + 8500 10 + 5 1200 0 10 + 12 14 000 0 0 7 6 = 0,0104 P(x=1) = P(1,10) = 101.010 = 0100045 P(X=2)-P(2,10)=102.010=0,0023 P(x=3)=P(3,10)=103. e+10=0,0076 - La nobbled de que llegre 30 mos 1 m 20 1,04% hospy or 4 10p. _ 60 by 215 m _ 15 mg P(x=0) = P(0|25) = 2150 e-215 = 0,0 ×21 + La manholida le gue of llegue myn proper le de 2/2/2 1) PRIN: 1- (X=0) = 1-0,0871 = 0,9179 5 Po rabbloh de que llegre al nero 1 propro no Ny 9179%

PME 11) N=60 M= 40 = RT m = 20a) P(x=0)~ h(x, m, M, N) h(0|20,20,60) = (20)(60-20) = 1.40(20-0,00033)60620 - La pol de que ningún empledo Traleze en hamai tral 0,0033 % D) P(x=1)~ Q(x,m, RHIN) D(1/20/20/60) = (1)(80-1) T0,063 %] E = 20 -40619 = 0,00063 60620 1) P(X 7/2) = 1-P(X < 1) = 1-P(x=0)+P(x=1) = 1 - [9,000033 + 0,00063] -1-0000663 = 01999337 3 199193% MP(x=9)~ L(x,m,n, N) (40) (60-40) N(9,20,40,60)=19/20-9 - 40C9 · 20C19 - 91371 121 11 60020 = 0,0000013 > 0,00018 0101093 109%

N=10 n=2 P(X71) = 1-P(X=0) = 1-0467 = 05333 531334 $P(X=0) \sim h(X,m,n,N)$ 2 10 - 2 h(0)3,2,10)=10 = 0,4667 53 m judililar de 53,33% de gou demailre h(0,14,2,10)= m= 2 = 913333 P(x7/1) = 1-P(x+0) = 1-0,3333 = 0,6666 3 66,66% h(0,5,210)= 0/2222 P(X)1)=1-P(X=0)=1-012222=0177775777790 2) P(x7/1) = 1- P(x-0) = 9, 9, 3 & sold lim? P(x=0) = 0,1 (10) - 017 R (01m 12110) = (2) (10-2) 1-P(x=0) =0190 >1-0107 = 0193 = 0,90 = [reconsents was milled to 7 5 m = 7 5 0107 1-013 = 0187 = 0,90 orlandor] m = 6 = 0113





1 (68, 132) (66,72) (65,115) (64,108) (62,102) malure you se grade hazar an el diagramo de montre I do puro sais ulyado una luer veile, mariardo un terdemo porturo es du m x 2 = 21.125 alluc de les ordodores (1 30 el peros le solo 62 102 6324 3344 X = 62+64+65+66+63 1) W = 1- 4 pax m = 101+101+101+108+132=177) 108 6912 4096 115 7475 4225 38.025= 128 348 436 B2 346 4624 26 38.35 21.445 1. = 17 - 51528 1. = 17 - 515 65 1. = -24015 21.145 - 21 125 D-1 = 5,5 8) M = -540/2+212 (P3) My = -2405 + 5,5 X W= 106

	190	
16) 0)	I I will	
(4)	x M Xy	x2 m = 10
	1 87 37 3 97 291 4 92 368	$\begin{array}{c c} $
	4 92 368 4 102 408 6 108 618 8 111 888	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	10 - 119 1190	100 M.X - 490
	11 - 11 287 13 36 768 2062 8135	121 m.x.m = 7603 169 632
J-7=	8135 - 7603 -	532 = 3,75 142
J-0 =	108,7 - 3,75.7	
=	82,45 =>	M = 82,45 + 3,75. X
		Ty=116,2