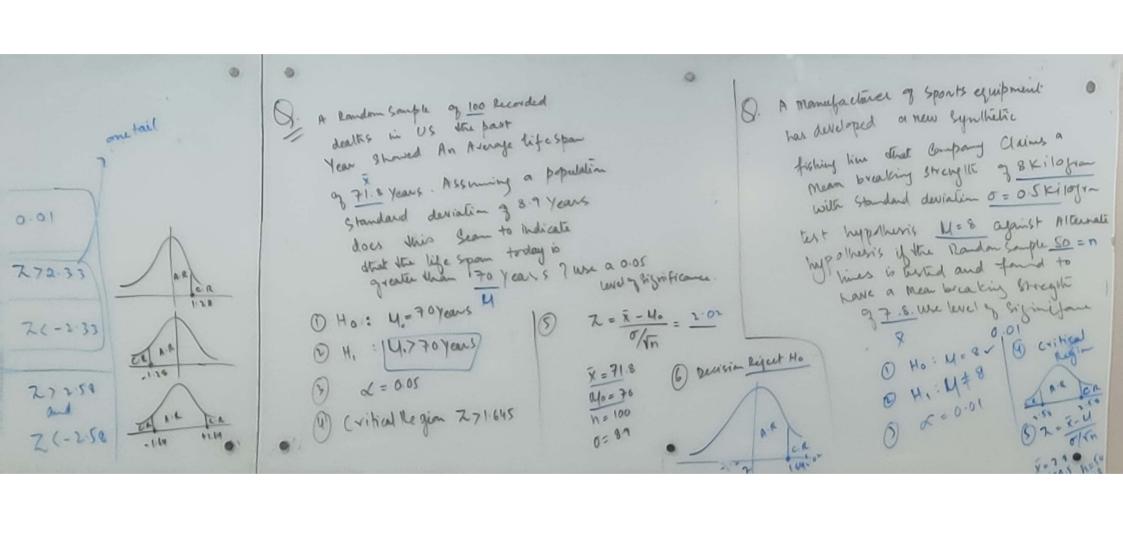
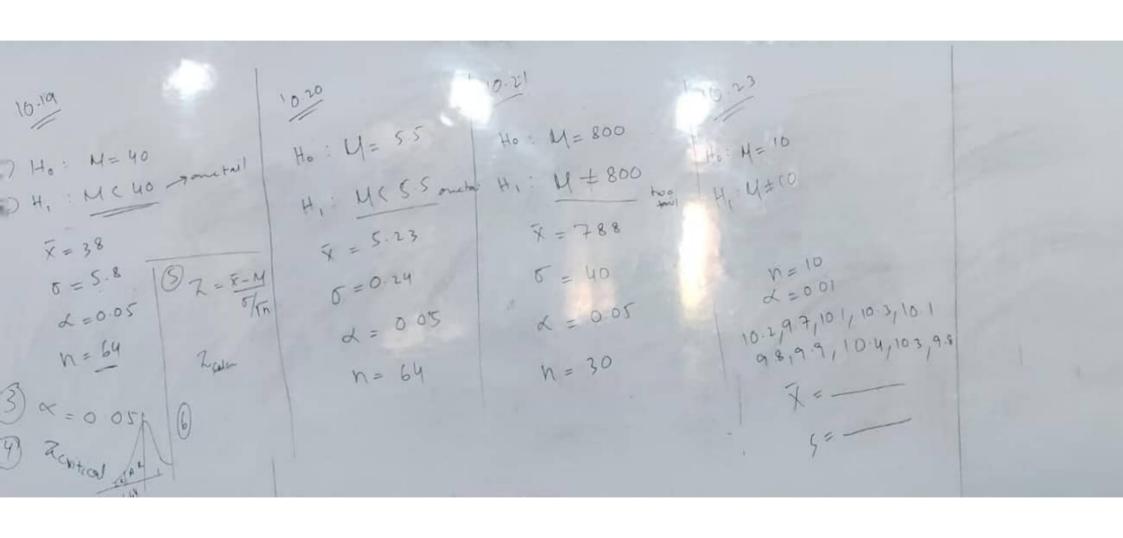
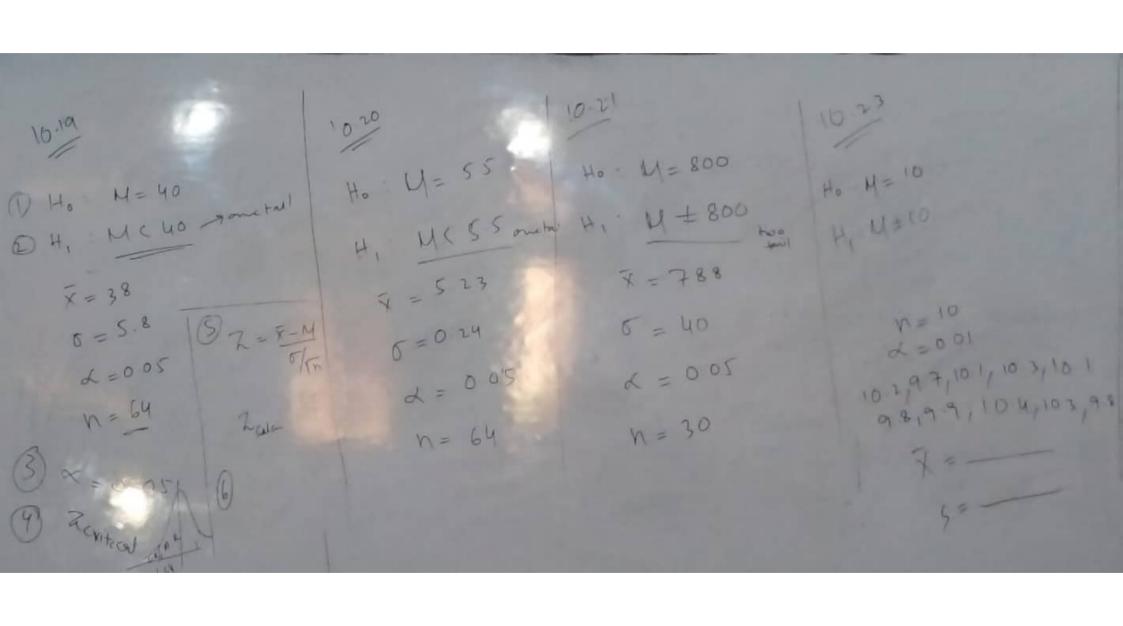


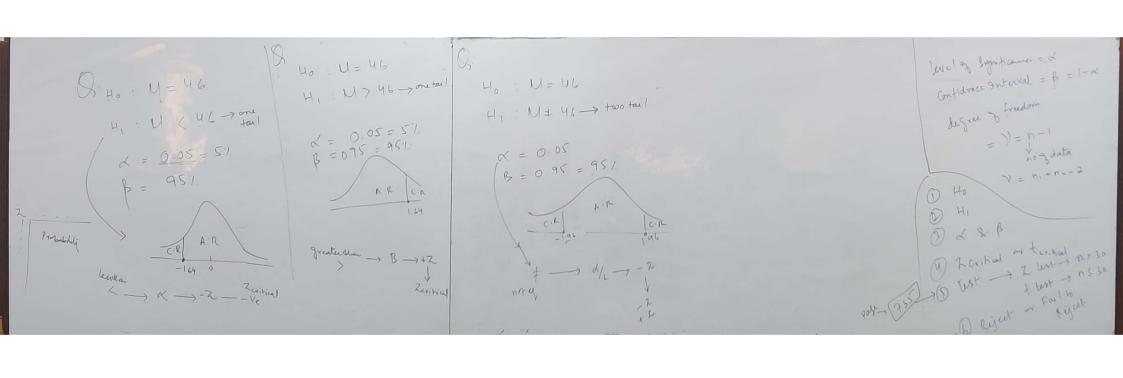
A manufacturer of sports equipment A Random Sample of 100 Recorded has developed a new synthetic dealths in US the bast fishing line that Company Claims a Year showed An Average life span Mean breaking stronglik og 8 Kilofran of 71.8 years. Assuming a population in 0 = 0.5 kilogra with Garden Standard deviation of 8.9 Years & against Allex does this Seam to Indicate test hyperty greater than 170 years 7 was a 0.05 Level of Significance O Ho: 4=70 years ス=ダー40 1 H, : 4.770 years 6 Decision Reject Ho X=71.8 (3) d=0.05 Mo= 76 (4) Critical legion 271645 n = 100 0=87

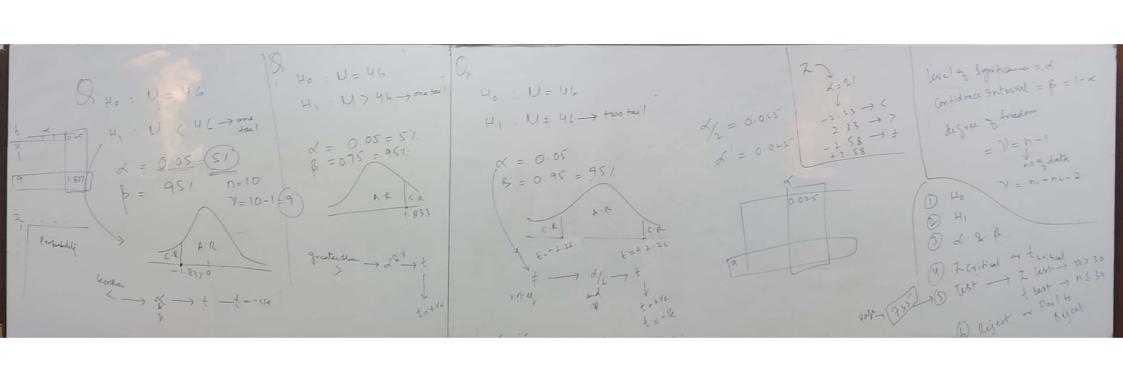


A Manufacturer of Sports equipment A Random Sample of 100 Recorded has developed a new synthetic dealths in US the past Year showed An Average life span fishing line that Company Claims a mean breaking strength of 8 Kilofran of 71.8 Years. Assuming a population with Standard deviation 0 = 0.5 Kilogra-Standard deviation 3 8.9 years test hypothesis M=8 against Alternation does this Seam to indicate hypothesis if the Randon Sample 50 = n dhat the life span today is greater than 170 years 7 was a 0.05 mes is texted and family have a Mean breaking breight 37.8. we level of signiface (6) Decision Reject Ho @ H, : 4 8 Mo= 76 D x=0.01



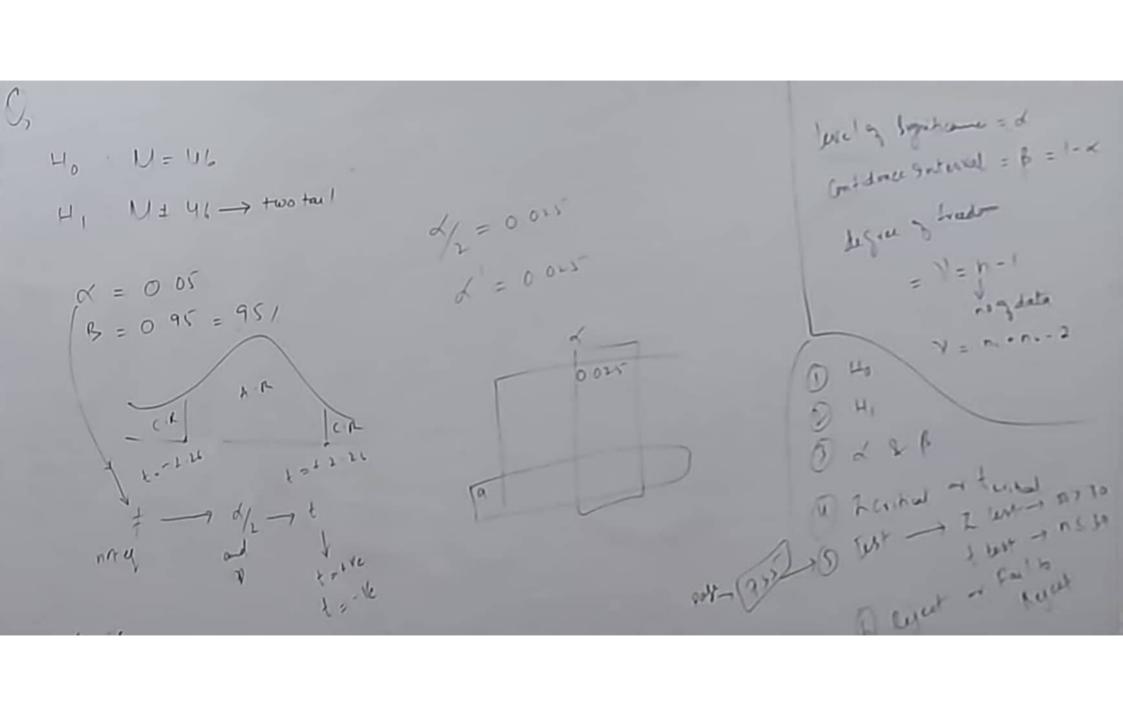






level of Syprificance = d Confidence Interval = B = 1-x 2=27 degree of freedom 2.13 -> > -2-58 -) ± = y = y - 1no g data 0.025 Port- (3752) 10 Test -> 7 Luntal n730 3 2 & B (6) Priest or Fail to Nigat

4, U746-7001 to 005 1 = 075 = 951 1 833 N=10 Probaboli



oneway Anova (Analysis of Variance 558 = \(\frac{5}{5} \frac{5}{5} \left(\frac{9}{10} - \frac{9}{6} \right)^2 HO W= 4= 4 H, alleast me of sim are now 3/ock 1 547 = 559 + 55E 2.8 557 = \$ \$ (y0 - 9-)" 55A = n 2 [1 - 9]

•	A nova (Analysis of variance	448	= = = = = = = = = = = = = = = = = = = =	14-92)		•	55T =
	Ho: M= 4= M. H, al least once of win are not equal: sum gram = sum gram + sum gram SST = SSA + SSE SST = SSA + SSE SST = SSA + SSE	Di j		1.9 0.5 2.8 3.1	3 2 4 2 - 9.9 2 - 1 - 2 - 47 3 - 2 - 47 3 - 2 - 47	y = 2.14 5.7 * 2.11.	55A = =32.5 55E

35T = (2.1-2.5)2+(5.3-2.5)2++(1.1-2.5)2+(0.5-2.5)2 + + (2-1-2-5)2+ + (2-1-2-5)2 55A = 5 (2.86-2.5) + 4 (2.075-2.5) + 4 (2.47-25)+ SSE = (2-1-2.86) + ... + (0.9-2.86) + (1.7-2.075)+ ...+ (2.075-3.1) + (2-2.47) 1.M= y = 2.5 + + (2-21)2

35T= (2.1-2.5)2+(5.3-2.5)2+.....+(1.4-2.5)2+(0.5-1.5)2 * ···· + (2-2-5)2+ ···· + (2-1-2-5)2 55A = 5 (2 86-25)2+4(2075-15)2+4(247-15) & ree 3 SSE = (2-1-2.86)"+ + (0-9-2 86)"+ (1-9-2 075)"+ (2025-31) + (2-242) + + (2-2-1)-