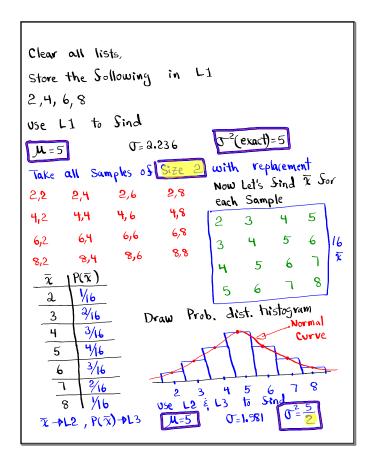
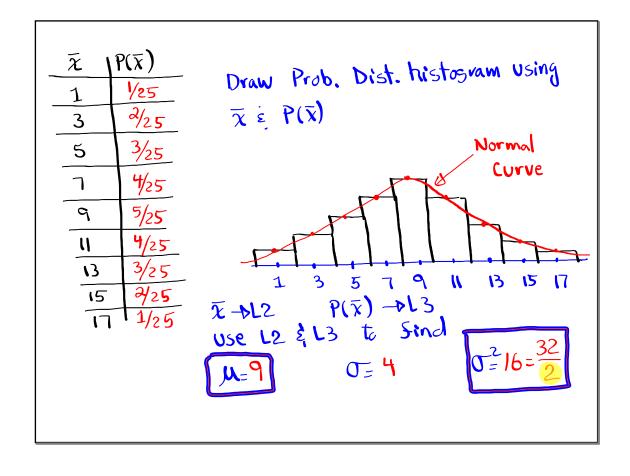
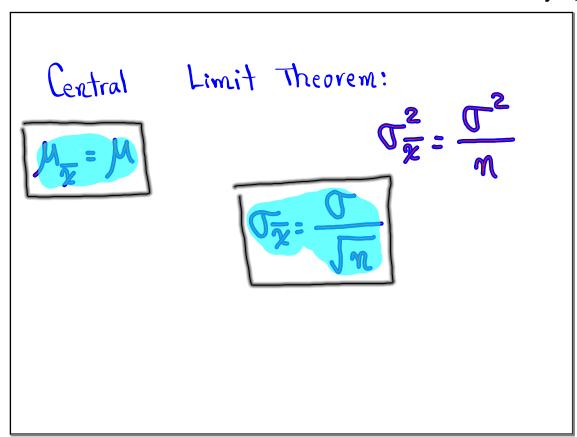
Math 110
Winter 2021
Lecture 14

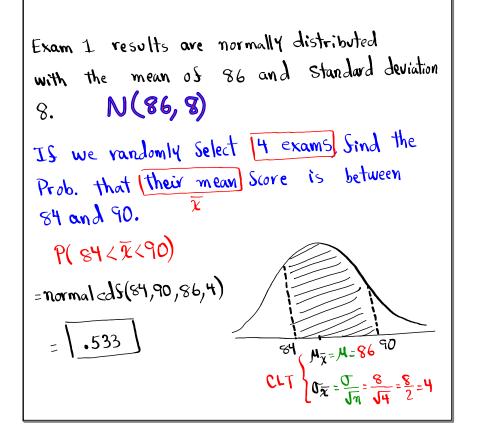


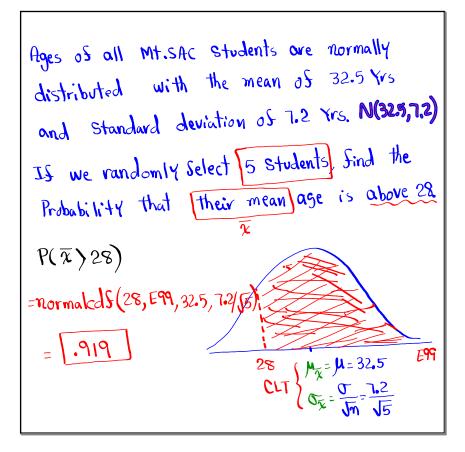


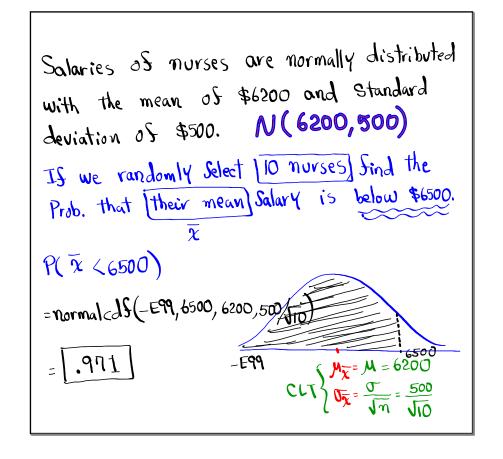
```
Clear all lists again
        1,5,9,13, and 17 in L1. Use L1 to Sind
Store
                               0-2 (exact) = 32
                 J=5.657
M=٩
Take all Samples of Size 2 with replacement from this
 Lata
                                 1,17
                 1,9
                          1,13
1,1
        1,5
                                 5,17
                          5,13
                 5,9
         5,5
5,1
                                  7,17
                          9,13
                 9,9
         9,5
9,1
                                   13,17
                           13,13
                  13,9
         13,5
 13,1
                                    П,П
                           17,13
                  17,9
          17,5
                                              1P(x)
                                          \bar{\chi}
 17,7
                 of each Sample:
 Let's Sind X
                                                1/25
                                                2/25
                                           3
                   ٦
             5
       3
 1
                                                3/25
                          W
             ٦
                    9
        5
  3
                                                 4/25
                          13
                                                 5/25
                     11
        ٦
                           15
                     13
               K
                            \Box
                      15
               13
         II
```

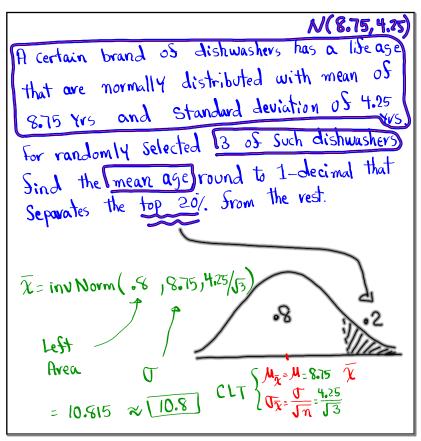


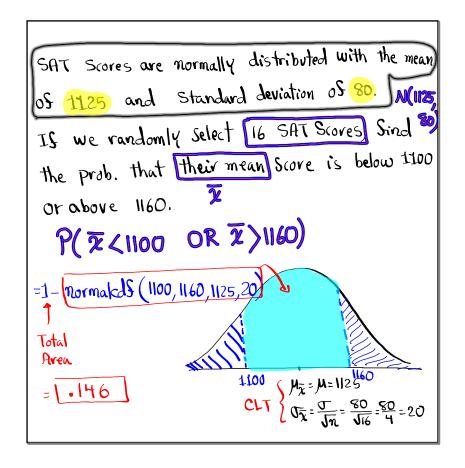


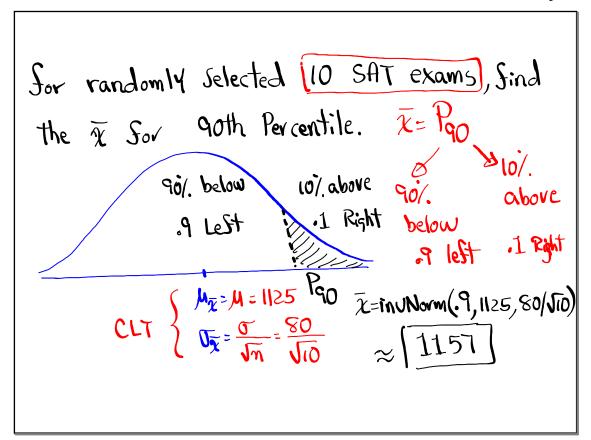


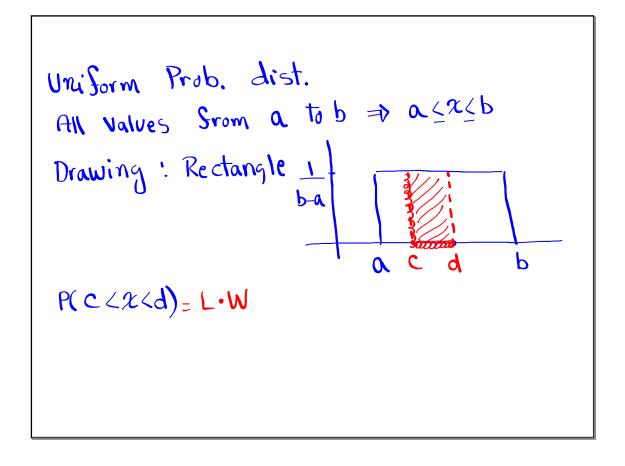


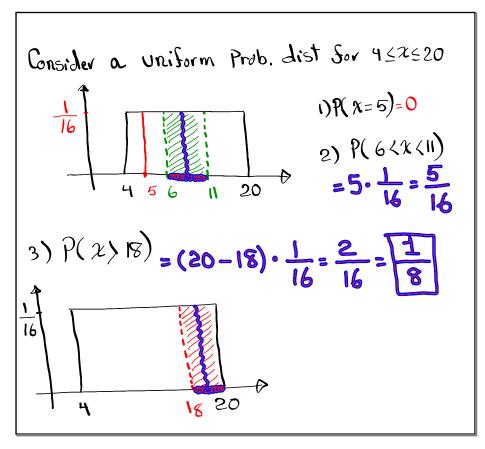


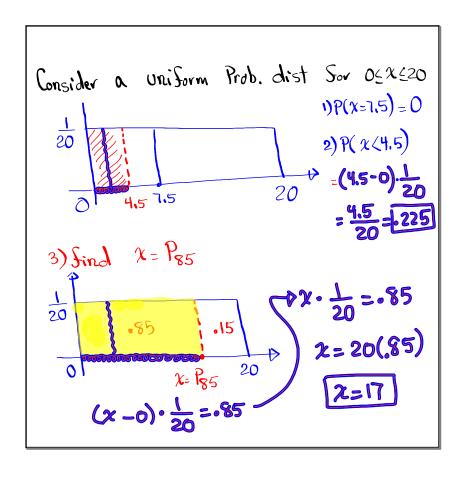












Consider a uniform Prob. dist For all values

From 3 to 43. Find two values that Separate

the middle 88%. From the rest.

100%. -88%. = 12%.

12%. +2 = 6%.

12%. +2 = 6%.

12%. +2 = 6%.

 $(\chi_{1-3}) \cdot \frac{1}{40} = .06 \Rightarrow \text{Solve Sor } \chi_{1}$

SG 19 Pase 1 & 2.

Bob, the officer, writes 20 Speeding tickets in 8-hour shift.

1) Average # officers per hour. $\frac{20 \text{ Tkts}}{8 \text{ hours}} = 2.5 \text{ Tkts/hr}$ 2) P(He writes 4 tickets) P(x=4) = PoissonPdf(2.5,4) = 1343) P(He writes fewer than 4 tickets) $P(x(4) = P(x \le 3) = PoissonCdf(2.5,3)$ = 1.7584) P(He writes more than 4 tickets) $P(x)(4) = P(x \ge 5) = 1 - P(x \le 4)$ = 1 - PoissonCdf(2.5,4) = 1.09