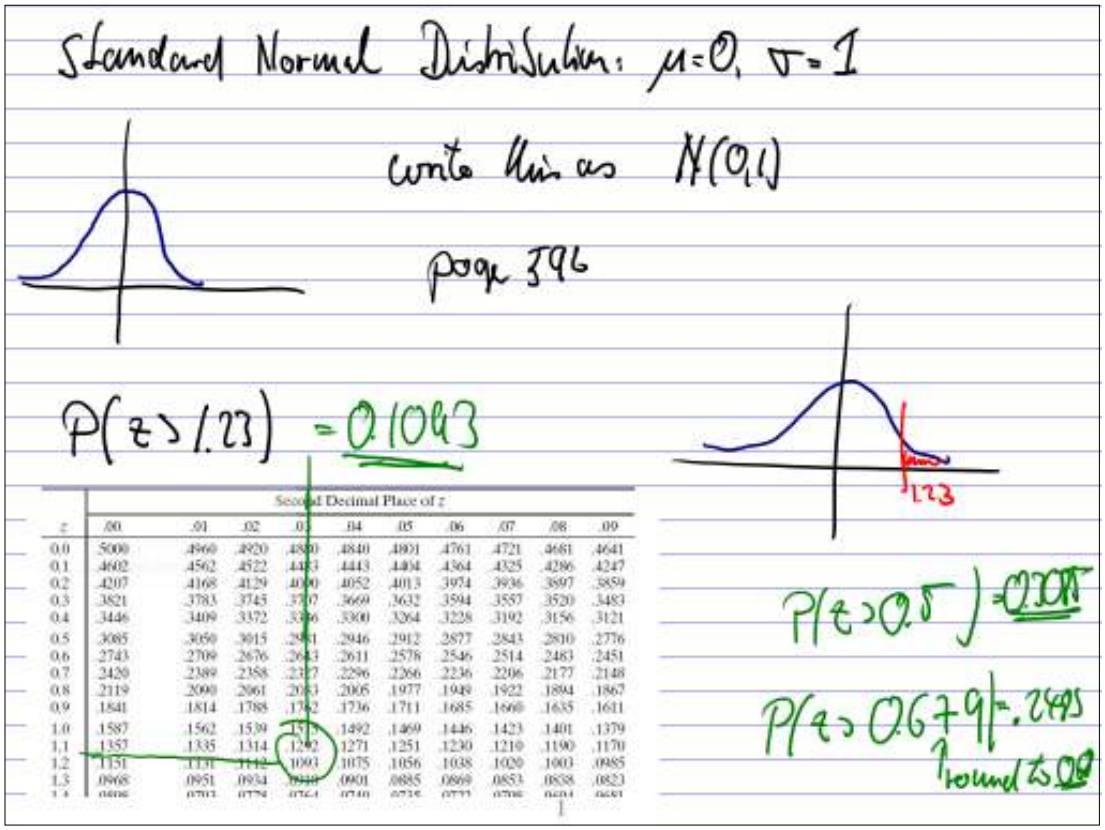
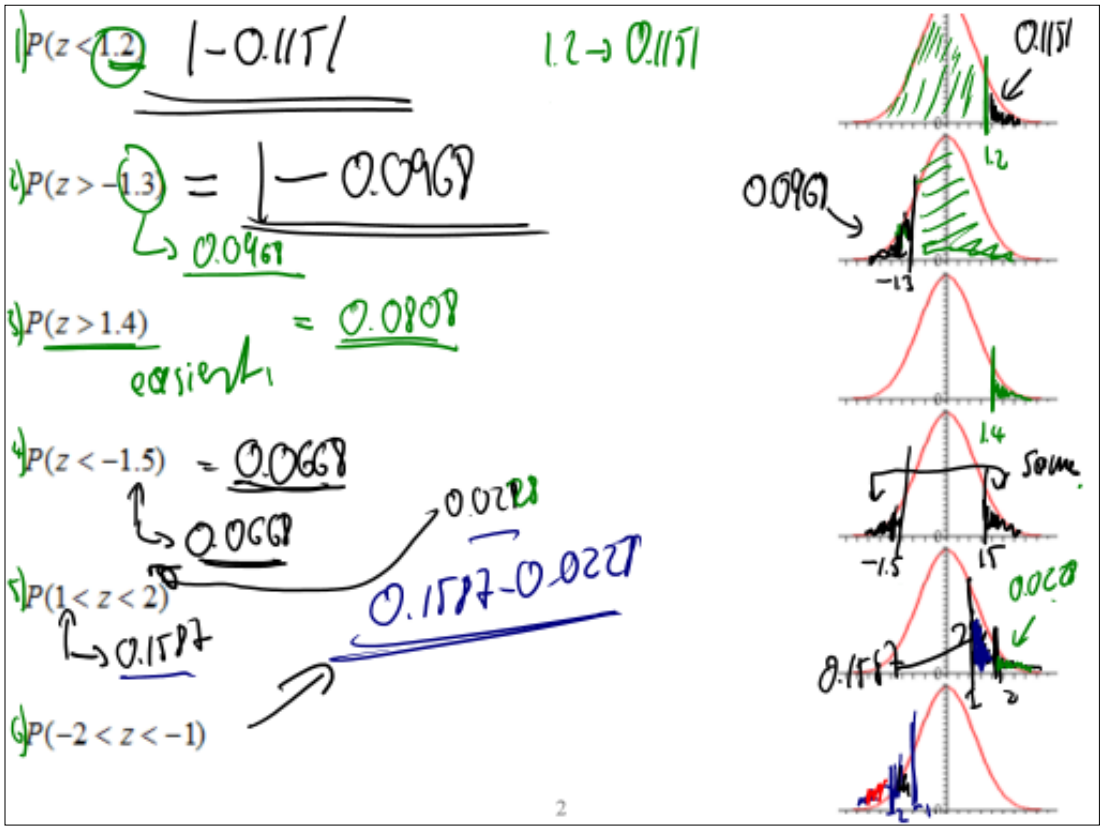
Panel 1

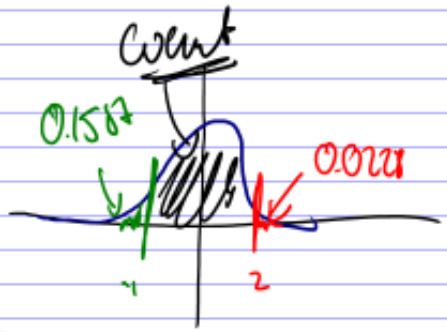


Panel 2



Panel 3

$P(-1 < z < 2)$



$1 - (0.1587 + 0.0228)$

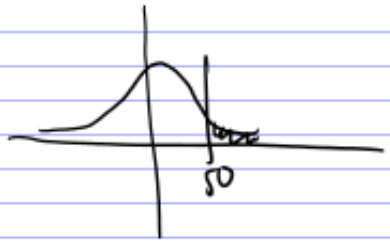
3

Panel 4

Okay!

Ex: Prob. that a random person is 50 years or older?

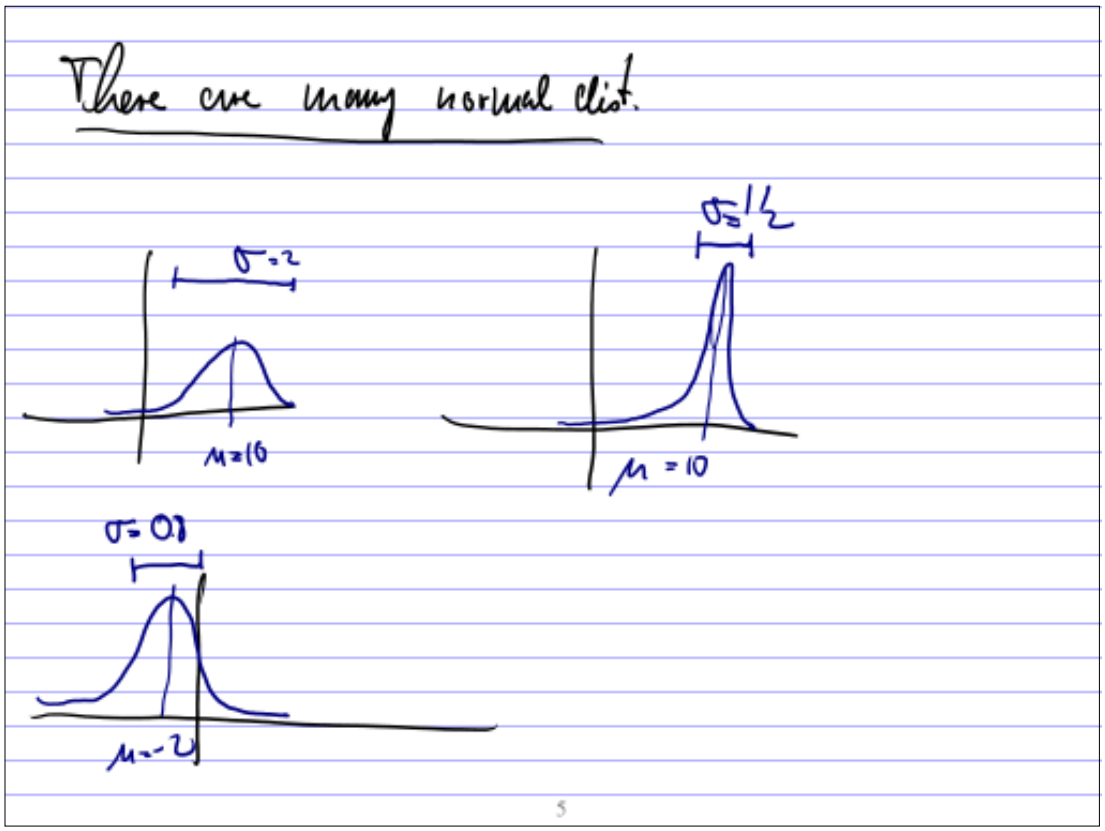
$P(X \geq 50)$, where x is age



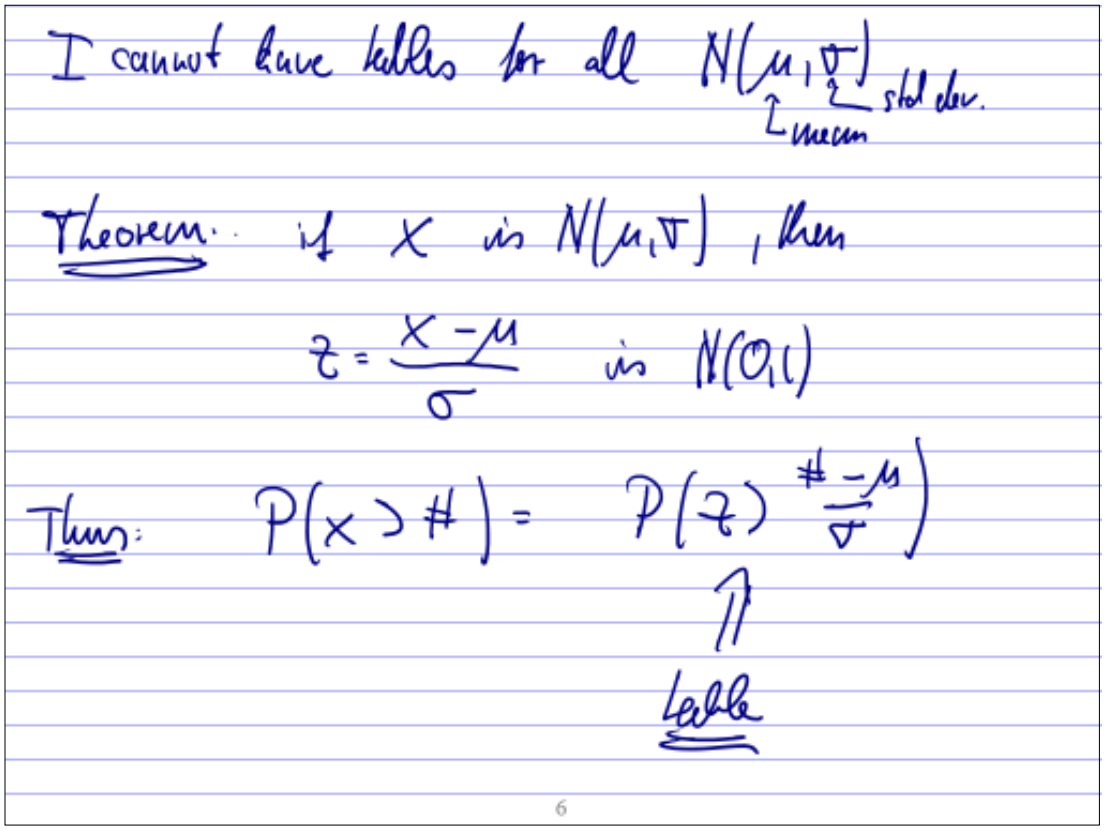
I would like to look this up, but the table in 592, does not apply, because $ss \neq 0, df \neq 1$

4

Panel 5



Panel 6



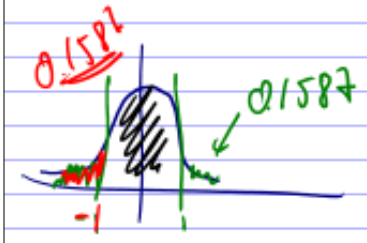
Panel 7

Say X is normal with $\mu = 6$, $\sigma = 2$. Find

$$P(4 < x < 8) = P(-1 < z < 1) = 1 - (0.1587 + 0.1587)$$

Find z-score of 4: $\frac{4-6}{2} = -1 = z$

Find z-score of 8: $\frac{8-6}{2} = 1 = z$



7