

n = 20, x = 85, $\sigma = 7$, $\alpha = 0.01$

90 mins machine maths

p-value approach

O Hypothesis: TWO-TAILED

Ho: 4=90 [Description]

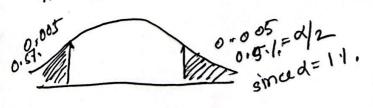
H1:4 + 90 [Description]

3 Distribution: Normal

- (3) Test statistic: 12 = 2-4 5/57 85-90 7/520
 - (a) p-value (b) $\times 0.2007$ = 0.0014

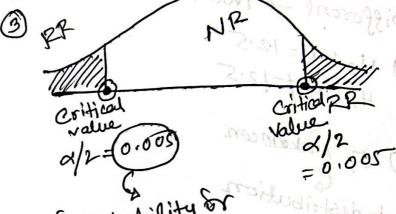
Since this is a two-tailed test

3) Since p-value is 0.0014 (8=0.01,



Coitical value approach

d=0.01



use rolability or use rolar 2 value

opto-or for to reduce

gun-error [Type=I error]

-2.58 Critical +2.58 Values

(A) Z = -3.19



