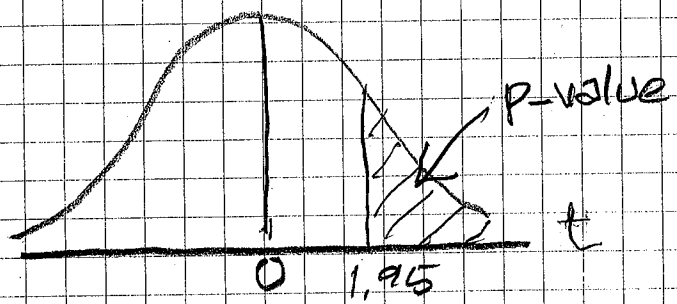
FINDING P-VALUES WITH THE t-TABLE

$H_0: \mu = 10$

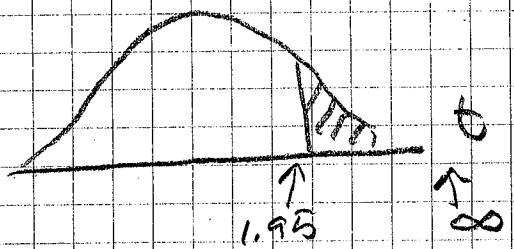
$H_a: \mu > 10$

$t = 1.95$



$df = 6$ ← row of the table

Look at row 6 only, trying to find the closest number to 1.95



.05 .025

1.943 1.95 2.447

$.025 < \text{p-value} < .05$

$\alpha = .05$ Reject H_0 & Conclude H_a

tcdf(lower bound, upper bound, df)

tcdf(1.95, 10^{99}, 6)

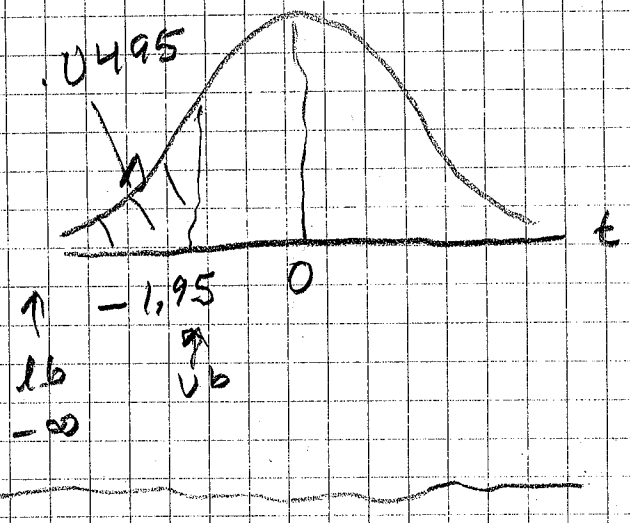
$= .0495$

$H_0: \mu = 10$

$H_a: \mu < 10$

$t = -1.95$

$df = 6$

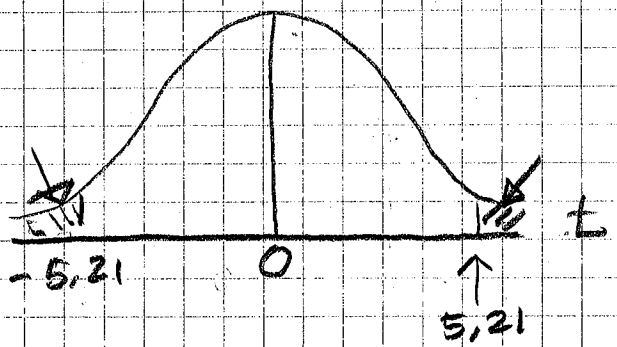


$H_0: \mu = 10$

$H_a: \mu \neq 10$

$t = 5.21$

$df = 9$



.001 .0005

↑ ↑

4.297 4.781 5.21

pvalue $< .0005 \times 2 = .001$

$\alpha = .05$ $\alpha = .01$