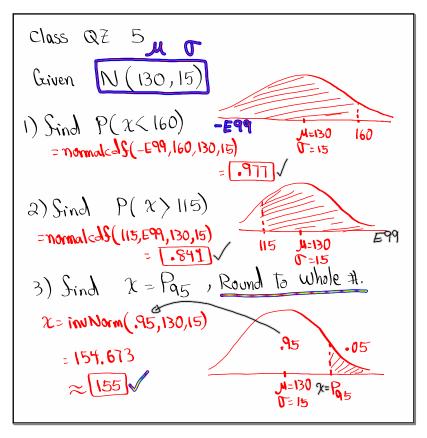
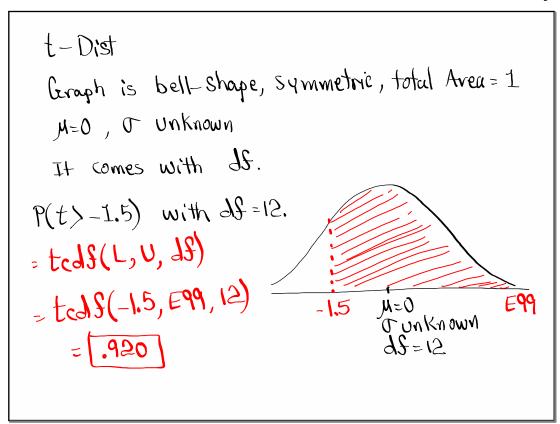


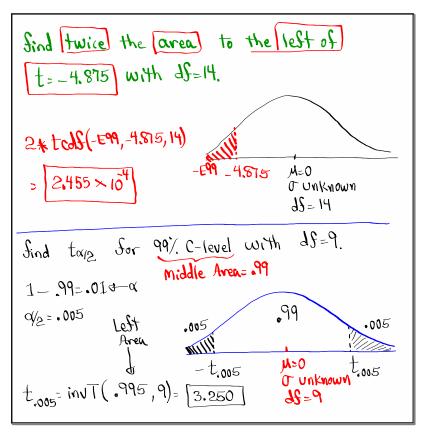
Feb 19-8:47 AM



May 2-9:12 PM



May 9-6:53 PM



May 9-6:56 PM

```
24% of 275 randomly selected drivers have

texted while driving. $\hat{p}=.24$

1) How many of them have texted while driving?

$\times = \text{P} = 275(.24) = 66$

$\times \text{decimal} = \text{Round up.}

2) Sind Conf. interval for the proportion of all drivers that texts while driving.

$\times \text{NO} C-level = \text{Use. 95}

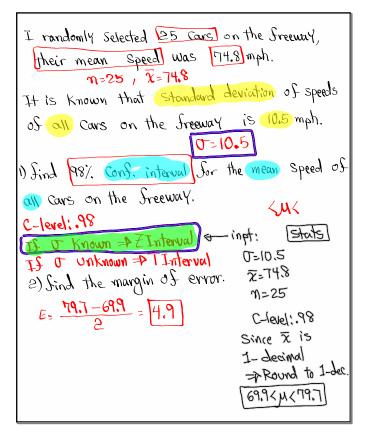
1-Prop \text{Int}

3) Give the margin of error

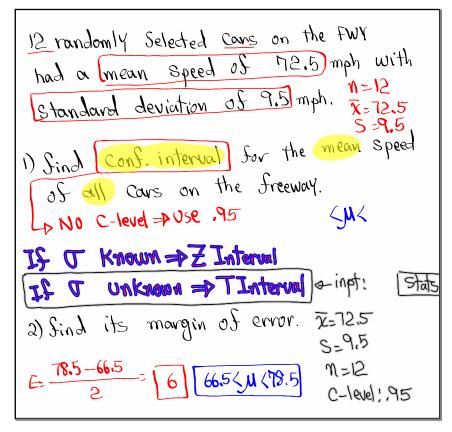
(.190, .290)

$\text{P} \cdot \frac{290}{2} = .05 \text{ 190} \text{P} \cdot \frac{290}{2} \text{ 190}
```

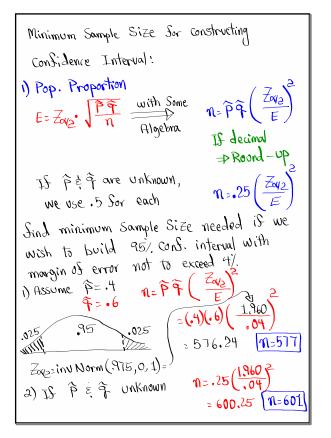
May 9-7:04 PM



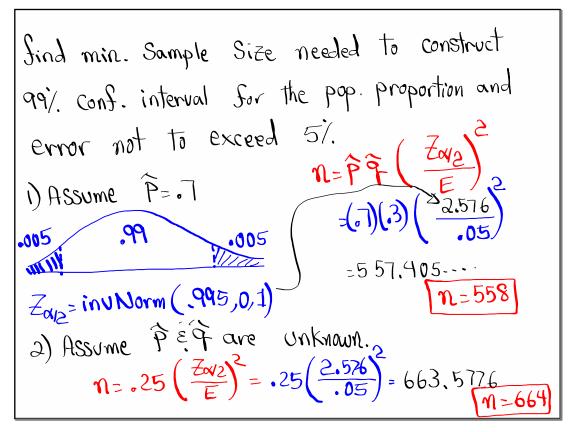
May 9-7:12 PM



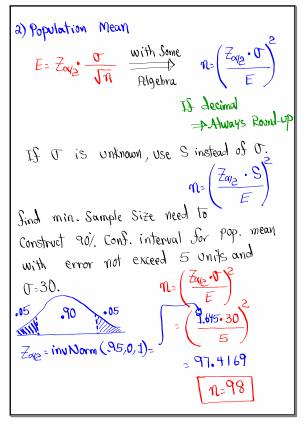
May 9-7:21 PM



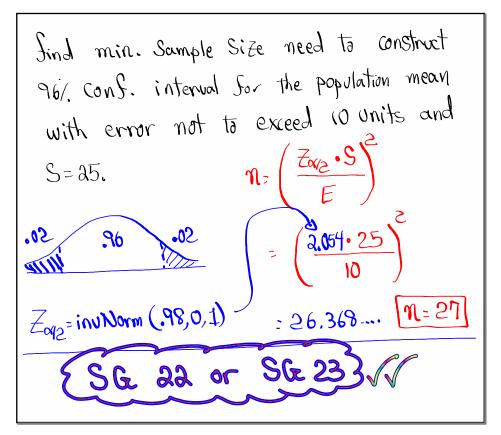
May 9-7:28 PM



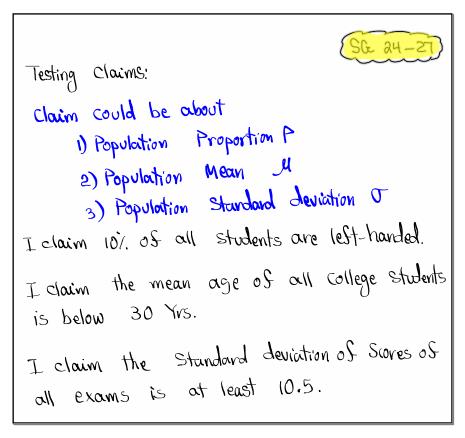
May 9-7:36 PM



May 9-7:42 PM



May 9-7:49 PM



why do we need to test claims?

It is Simply to determine the Validity

of the claim.

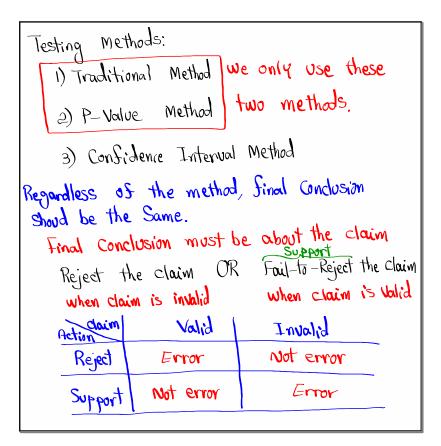
If claim is valid > we support it.

If claim is invalid > we reject it.

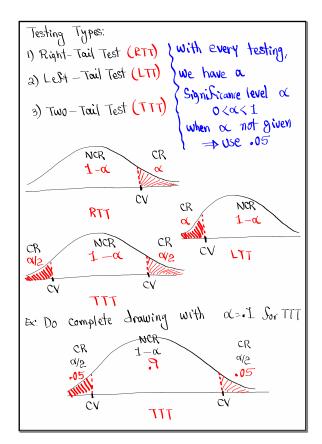
Passible errors!

When we reject a valid claim
when we support an invalid claim.

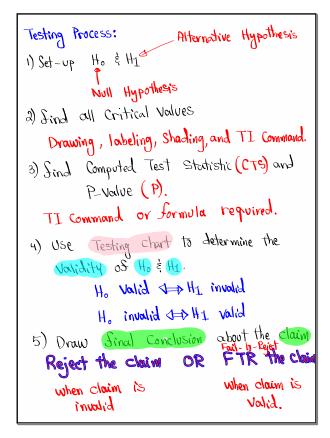
May 9-8:09 PM



May 9-8:13 PM



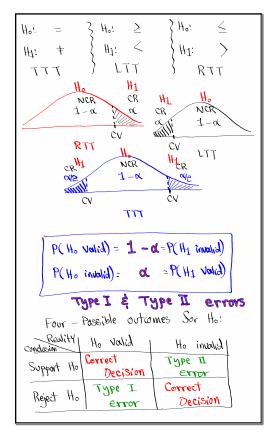
May 9-8:20 PM



May 9-8:28 PM

```
More on Ho & HI:
H_0 must contain = Sign \Rightarrow = , \geq , \leq
H_1 cannot contain = Sign \Rightarrow \pm , \langle , \rangle
Keywords:
       is, equal, Same, at least, at most,
Ho:
         not different, ---
        is not, not equal, different, more than,
H1:
         less than, above, below, exceed,....
claim could be Ho or HI, but not both
at the Same time.
Always identify the claim and type of testing.
                     ⇒Two-Tail Test
     H<sub>1</sub>:
                    → Right-Tail Test
      H1:
                      ⇒ LeSt-Tail Test
       H1;
```

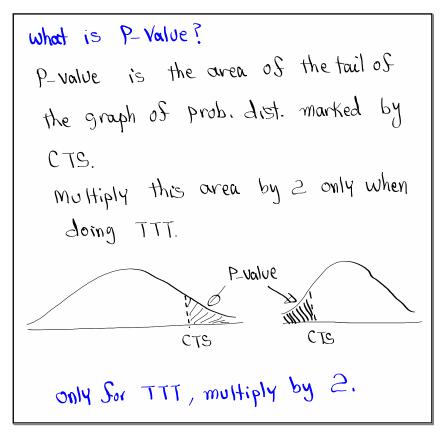
May 9-8:36 PM

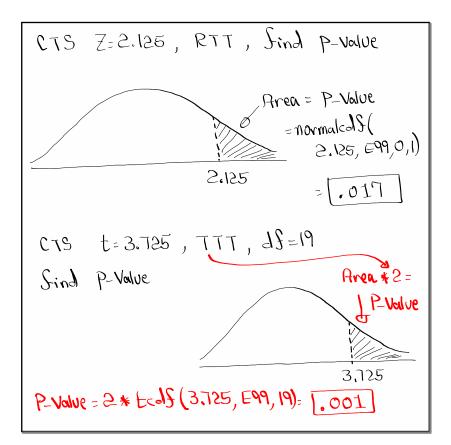


May 9-8:43 PM

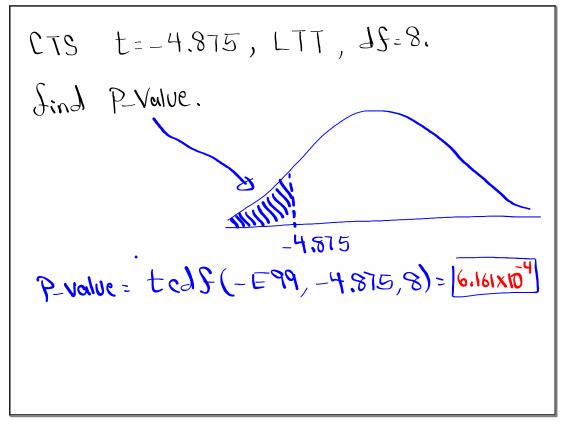
```
I claim 10% of all students are
1est-handed.
                  Ho: P=.10
                             claim
                  H1: P + . 10
                               TTT
I claim the mean age of all college
        is below 30 Yrs.
Students
                 JU < 30
           Ho: M≥30
          H1: M < 30
                       claim, LTT
I claim the Standard deviation of all
        is at most 10.
exams
         Ho: U < 10 claim
                         RTT
          H1: U>10
```

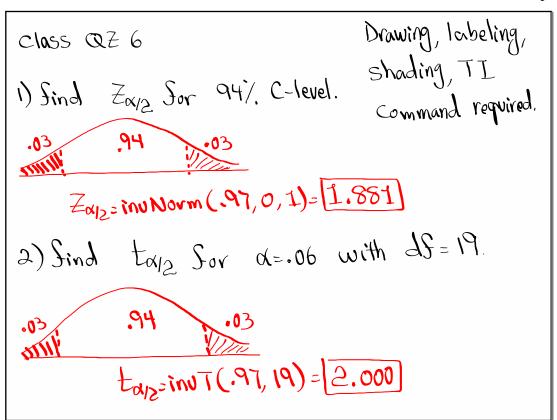
May 9-8:54 PM





May 9-9:02 PM





May 9-9:09 PM