Elementary Statistics	Name:
Study Guide 24	Class:
Due Date:	Score:
Your solutions must be co	nsistent with class notes & resources.
Be Neat, Organiz	\mathbf{zed} , and No Work \Leftrightarrow No Points
·	ing chart for whenever testing a claim about one I commands do you use to find the <u>CV</u> , <u>CTS</u> , and
Testing One Population Pro	oportion TI Command
\mathbf{CV}	
CTS & P-Value	
2. Given: $x = 85, n = 200, H_1: p >$ (a) (2 points) Clearly state H_0	$0.40, \alpha = 0.01$, claim: H_1 and H_1 , and identify the type of test.
H_0 :	
(b) (2 points) Find and name and clearly mark and shade	all related critical values, draw the distribution, e the critical region(s).
(c) (2 points) Find the compu	ted test statistic and the P-value.
C.T.S. :	P-Value :
(d) (2 points) Use non-statisti about the claim.	ical terminology to express your final conclusion
	(d)

3. It has been reported that 65% of college students prefer e-textb ditional textbooks. A local agency randomly selected 320 coll discovered that 215 of them share the same view. Test the vali at $\alpha = 0.01$ by using the data collected by the local agency.	lege students and
(a) (2 points) Clearly state H_0 and H_1 , and identify the claim	and type of test.
H_0 :	
$H_1:$	
(b) (2 points) Find and name all related critical values, draw and clearly mark and shade the critical region(s).	the distribution,
(c) (2 points) Find the computed test statistic and the P-value	e.
C.T.S. : P-Value :	
(d) (2 points) Use non-statistical terminology to express you about the claim.	r final conclusion
	(d)
4. Find the corresponding p -value. Drawing & Shading Required	
(a) (2 points) Given: C.T.S. $z = -1.835$, and Left-Tail Test.	
	(a)
(b) (2 points) Given: C.T.S. $z = 1.835$, and Two-Tail Test.	
	(b)

	_	ats and discovered that 5% of at $\alpha = 0.02$ by using the day	of them were left-handed. Test ta that I have collected.
	(a) (2 points) Clearly st	ate H_0 and H_1 , and identif	y the claim and type of test.
	$H_0:$		
	H_1 :		
	`	name all related critical desired shade the critical region(values, draw the distribution, (s).
	(c) (2 points) Find the	computed test statistic and	d the P-value
	(c) (2 points) Tind the (computed test statistic and	Time I -varue.
	C.T.S. :	I	P-Value :
1	(d) (2 points) Use non-sabout the claim.	statistical terminology to	express your final conclusion
			(d)
p		TI commands do you use	ver testing a claim about one e to find the <u>CV</u> , <u>CTS</u> , and
	Testing One Benyletien Mean	σ Known	σ Unknown
	One Population Mean	KHOWH	Unknown
	CV		
	CTS & P-Value		

5. The college claims that less than 8% of college students are left handed. I randomly

7. Given: $\overline{x} = 123, n = 63, \sigma = 10.75, H_1: \mu \neq 115, \alpha = 0.04$, claim: H_0 (a) (2 points) Clearly state H_0 and H_1 , and identify the type of test.
$H_0:$
(b) (2 points) Find and name all related critical values, draw the distribution, and clearly mark and shade the critical region(s).
(c) (2 points) Find the computed test statistic and the P-value.
C.T.S.: P-Value: (d) (2 points) Use non-statistical terminology to express your final conclusion about the claim.
8. Given: $\overline{x}=80, n=20, s=7.45, H_1: \mu<85$, claim: H_1 (a) (2 points) Clearly state H_0 and H_1 , and identify the type of test.
$H_0:$
(b) (2 points) Find and name all related critical values, draw the distribution, and clearly mark and shade the critical region(s).
(c) (2 points) Find the computed test statistic and the P-value.
C.T.S. : P-Value :
(d) (2 points) Use non-statistical terminology to express your final conclusion about the claim.
(d)
You've come this far, you've learned this much, let's finish strong