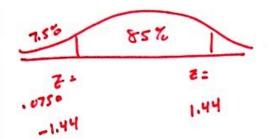
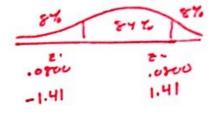
I. Draw + Lubel, then find the critical value.

II. Use the standard deviation and sample size withe the given information to find the marsin of error.





10) C= 94% === \$1.88

n = 35  $E = 1.06 \cdot \frac{12}{\sqrt{35}} = 3.81$ 

E = 7.05. 12 = -3.81

$$\frac{16 \cdot \frac{15}{150}}{10} = \frac{-5.37}{-5.37} = \frac{5.4}{190} = \frac{-1.49}{190}$$

C: 
$$95\% = 1.96$$

C:  $95\% = 1.96$ 

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C:  $95\% = 1.96$ 

T:  $10$ 

										_	
								Name			
		HOICE propria			ne alte	rnative t	hat best	completes t	he statement or ar	nswers the ques	stion.
1) Find	d the cri	tical val	ue <sup>z</sup> c t	hat corre	spond	stoa 94	% confi	dence level.			
	mean of								nly selected studer	nts from a class o	of 125 students
3) A r	andom	sample o	of 120	students	has a t	est score	average	with a stanc	lard deviation of	11.4. Find the n	nargin of error.
4) A random sample of 150 students has a grade point average with a standard deviation of 0.78. Find the margin of error if $c = 0.98$ .											
		sample o			is a me	an annua	l earnin	gs of \$3120 a	nd a standard dev	viation of \$677.	
6) A random sample of 150 students has a grade point average with a mean of 2.86 and with a standard deviation of 0.78. Construct the confidence interval for the population mean, $\mu$ , if $c = 0.98$ .											
7) A rapopul	andom ation m	sample o ean, µ if	of 40 stu c = 0.90	dents ha	is a tes	t score wi	ith × =	81.5 and s = 1	10.2. Construct the	confidence inte	erval for the
8) A ra	andom : lence in	sample o	of 40 stu or the po	dents ha	is a me i mean,	an annua , μ if c = (	ll earnin ).95.	gs of \$3120 a	nd a standard dev	riation of \$677. C	Construct the
						oulbs has oopulatio			urs with a standar	rd deviation of 3	1 hours.
10) A confid	group o ence in	f 49 rand terval fo	domly s r the po	elected s pulation	tudent mean	s has a m	ean age	of 22.4 years	with a standard d	leviation of 3.8.	Construct a 98%
11) A (	group o	f 40 bow mean se	lers sho	wed tha	it their ers.	average :	score wa	ns 192 with a	standard deviatio	on of 8. Find the	95% confidence
12) The	e numb	ers of ad	vertiser	nents se	en or h	eard in o	ne week	for 30 rando	statement or answ mly selected peop advertisements.	vers the question ble in the United	n. States are listed
below. 598	494	441	595	728	nerval	690	iue mea	n number of 684	advertisements.	735	808
481	298	135	846	764		317		649	732	582	677
734	588	590	540	673		727		545	486	702	703
13) The	numbe	er of wir erval for	ns in a so	eason fo	r 32 rar numbe	ndomly s r of wins	elected in a sea	professional son.	football teams are	listed below.	Construct a 90%
9	9	9	8	10	9	7	2				
11 12	10 10	6	4	11	9	8	8				
12	9	7 9	5 7	12 10	6 7	4 7	3 5				
						340	1000				