	A.	Standard error of the mean	1.	\bar{x} ±	2.58-	<u>σ</u> /n		
	В.	99% confidence interval	2.	$\sigma_{\bar{x}}$	$=\frac{\sigma}{\sqrt{n}}$	7, 11		
	C.	Standard error of the proportion	3.	$\bar{\chi} \pm$	2.58 -	<u>S</u>		
	D.	Requires n be ≥ 30	4.		√ E			
	E.	Acceptable error	5.					
ΧI	V. Ar	swer the following true or false and fill in the blank questions.		$\sqrt{\frac{\bar{p}(1)}{\bar{p}(1)}}$	$\frac{1-\overline{p})}{n}$			
	A.	The standard error of the mean will be halved if the sample size is double	d	_				
	В.	Sampling error exists because a nonrepresentive sample was taken in pla	ice of a c	ensus.		_		
	C.	A one-number estimate of the population mean is called a estimate of the mean.						
	D.	A range for a population parameter is called the				·		
	E	A may be may	ro accur	ata tha	n o oim			
	∟.	A may be mosample because a small diverse section of the population might not be rep	resented	d in a si	mple ra	pie rando andom sa	om ample.	
XV. A sample of 36 out of 25,000 baseball fans attending a game revealed average refreshment spending of \$7.60. The standard deviation for the				Refreshment Spending Data Set for those using statistics software				
population is \$2.10. Calculate the 95% confidence interval for average			4.9		8.00	9.00		
	refr	reshment spending by fans attending this game.		_			9.00	
			10.0		4.90	7.00	8.05	
			11.0	_	9.00	9.50 5.00	8.00	
			8.0	_	_	10.00	4.80	
			6.0			11.00	9.00	
			6.5		7.00	7.00	8.00	
			11.0		3.00	5.00	5.75	
			9.1		6.00	9.10	9.00	
XVI.A marketing test of chocolate flavored shaving cream revealed a favorable response from 35 of 50 test subjects. Test subjects were chosen at random from the company's 1,200 employees. Calculate the following: A. The 90% confidence interval for this market test.				Data set for those using statistics software				
				Favorable (F) and Unfavorable (U) Attitudes Toward Chocolate Flavored Shaving Cream				
			U	F	F	F	F	
			F	U	F	F	U	
	а	The company is unhappy with the confidence interval calculated above and would like to lower acceptable error from 11% to 5%. How large a sample must be taken?	U	F	U	F	F	
			U	F	F	F	U	
			F	U	F	F	F	
			U	F	F	U	F	
			F	F	F	F	F	
			U	F	F	U	U	
			F	F	F	F	F	

XIII.Place the number of the appropriate item in the space provided.