STATISTICS 2023	NAME, PRINT IN IN	IK	
EXAM ONE	SIGNATURE IN INK	(
FALL 2008	CWID IN INK		
Once this exam is graded an	d returned to you throu	gh SLIC retain it for gr	ade verification.
TRUE OR FALSE. Answe	r with a capital T or	F.	(3 points each
1. The number of	fouls in a soccer gam	e is a qualitative vari	able.
2. The mean is momentum and mode.	ore affected by extren	ne values in the data	than are the
3. If nothing is kno that is within three standar contain all the values in the		of a data set then the ean may contain no	e interval of values values or it may
4. A box and whish and the quartile values in a		ormation about the m	inimum, maximum,
5. If the z score is mean of 74 and standard of	-1.84 for an individua leviation of 2 then the		
6. The eighty-fourt approximately two standar			s a point that is
7. Conditional probevent has occurred or that	pability is the probabil a specific condition is	lity of an event assun s true.	ning that another
For the remainder of the 25,	questions on this pa 42, 34,		sample of data. 22.
8. State the numer with one digit past the deci	ical value of the mea mal.	n of the data set. Sta	ate your answer
9. State the numer your answer to one digit pa	ical value of the standatt	dard deviation of the	data set. Round

STATISTICS STATE THE		EXAM ONE State the answer on t	FALL 2008 the line given.	PAGE 2. (3 points each)
frequency for	10. If a segment the category	nent of a pie chart is a y of the variable repres	n arc of 9 degrees wha sented by that segment	t is the relative of the pie chart?
observations	11. How mar has a relativ	ny observations are in e frequency of 0.04?	a data set if a category	with 20
the following	values. The	sum is 4,865 and the	observations the suffici sum of squares is 86,2 ur answer with one digi	45.5. What is the
the following	values. The	from a sample of 278 sum is 4,865 and the nple standard deviatio	observations the suffici sum of squares is 86,2 n?	ent statistics are 45.5. What is the
200 threes, a	14. If a data nd 3,100 fou	set with seven thousars what is the numeric	nd values has 2,200 or al value of the median?	nes, 1,500 twos,
standard devi	15. If a data a	set with unknown shap nits then at most what	pe has a mean of 140 ເ percent of the data wo	units and a ould be more than
that the yearly distribution wi	/ percent retu th a mean of	urn on a specific low ri	urn without excess vask stock has a mound- ndard deviation of .35 tions on this page.	shaped
what is the ap	16. Assuminç proximate pe	g the distribution of ret ercent of yearly return	urn on the stock is as o s that are more than 3.3	described above 3 percent?
stock are less	17. About 0.1 than what p	6 or 16% of the yearly ercent if the distributio	/ percent returns on thi n for the returns is as o	s specific low risk described above?
is as describe percent and 3	d above ther	ribution of yearly percon approximately what p	ent returns on this spec percent of the returns a	sific low risk stock re between 2.25

STATISTICS 20 STATE THE AN			VI ONE he ans	wer on	the li		2008 n.	P/ (3 points	AGE 3. each)
19. The grade distribution of a certain physics test has a mean of 69 with a standard deviation of 9. What is the z-score associated with the exam grade of 82.5? State your answer with one digit past the decimal.									
20. The grade distribution of a certain physics test has a mean of 69 with a standard deviation of 9. What is the value of a student's exam grade if the z-score associated with the grade is -2.2?									
A random sample of eight rattlesnakes was chosen in Greer and Jackson Counties of Oklahoma. The length of each snake was measured in inches and is listed below. Use this sample of rattlesnake lengths to answer the remainder of the questions on this page.									
	.6, 32.2,	53.8,	29.1,	24.9,	41.7,	35.6,	33.1		
21. What is the numerical value of the sum of the squares for the above sample of rattlesnake lengths?									
22. rattlesnake lengt		he num	nerical v	value o	f the s	um for t	the above	sample of	
23. rattlesnake lengt	What is t ths?	he num	nerical v	value o	f the m	nean of	the above	e sample of	
24. rattlesnake lengt	What is a ths?	a nume	rical va	lue for	the me	edian of	the abov	e sample of	
25. rattlesnake lengt								ove sample	of
26. sample of rattles								of the abov	/e

