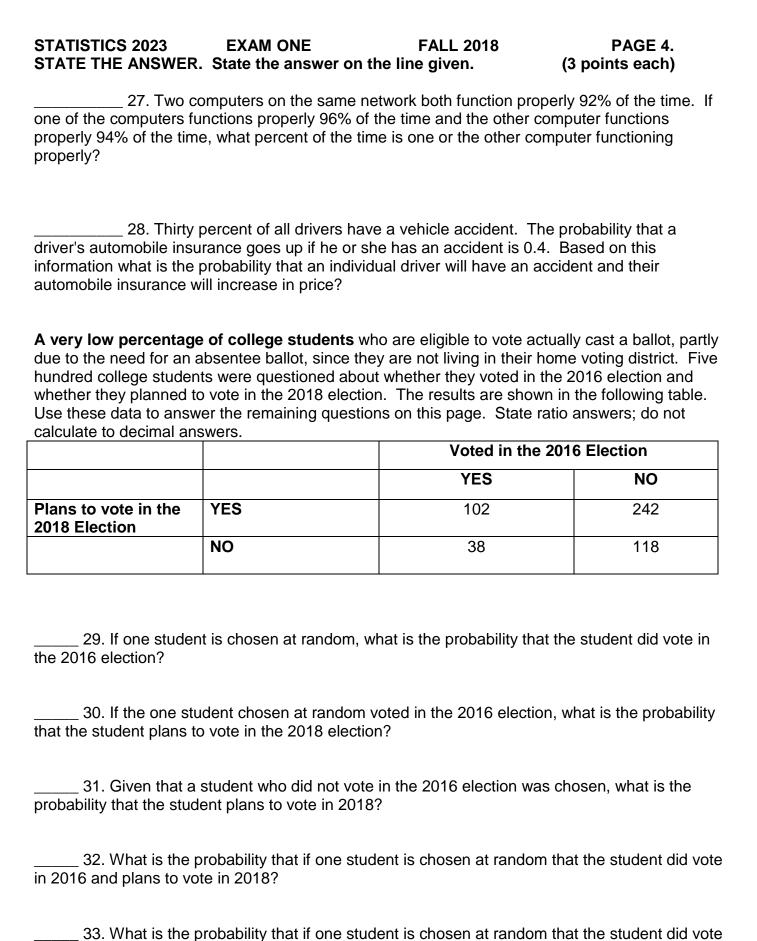
STATISTICS 2023	NAME, IN PRINT
EXAM ONE	SIGNATURE, IN INK
FALL 2018	CWID IN INK
	SEAT LETTER & NUMBER IN INK
This exam will be returned to you TRUE OR FALSE. Answer with	through SLIC; once you pick it up retain it for grade verification. a capital T or F (3 points each)
1. Frequency tells the pro	pportion of data in a certain category.
2. If the mean of a data s of the data set, then the distribution	et is less than the median and the median is less than the mode on is left skewed.
	d to be mound-shaped, then approximately 5% of the data set values which are within one standard deviation of the mean.
4. Data that are interval or ordinal are appropriate for a ba	or ratio are appropriate for a histogram and data that are nominal ar chart.
5. The third quartile of a continuous the data are more than.	data set is a value that 75% of the data are less than and 25% of
6. If the z-score is 2.2 for variance of 16 then the individual	an individual data value from a data set with mean of 24 and data value is equal to 32.8.
7. The mean is the middle	e of the data and the median is the balance point of the data.
State the Answer. State the ans The daily changes in the value of answer the remainder of the ques	a stock are listed below for 5 days of trading. Use these data to
2.55 -1.82	-1.24 3.84 0.55
8. What is decimal.	the value of the sum of squares? State 4 digits past the
9. What is your answer to 2 digits past the d	the value of the sample mean for these five values? Round ecimal.
10. What is values? Round your answer to 2	the value of the sample standard deviation for these five digits past the decimal.

STATE THE ANSWER.	State the answer on th	e line given.	(3 points each)
11. If there certain category which ha	are 3400 observations in as relative frequency of .	-	observations are in a
12. If a data two hundred threes, one	a set with five hundred ob hundred fifty fours what		_
13. If a samequal to 1460, then what	nple with 11 observations is the value of the samp		0 and a sum of squares
14. If a sam equal to 1460, then what	nple with 11 observations is the value of the samp	•	•
15. If a data 18 at most what percent	•		nd a standard deviation of erval (176, 248)?
Great Blue heron live a random sample of six of The standing height was below. Use this sample questions on this page.	these birds was chosen in measured on each bird. of standing heights of great standing heights heights of great standing h	in Payne and Pawnee The heights recorded eat blue heron to answ	Counties of Oklahoma. in inches are stated er the remainder of the
16. What is	the numerical value of the	ne sum of the squares	for the above sample?
17. What is	the numerical value of the	ne square of the sum fo	or the above sample?
18. What is Round to one digit past t	the numerical value of the decimal.	ne mean of the above s	sample of heights?
19. What is	a numerical value for the	e median of the above	sample of heights?
20. What is heights? Round your an	the numerical value of the swer to two digits past the		of the above sample of

STATISTICS 2023 EXAM ONE FALL 2018 PAGE 3. STATE THE ANSWER. State the answer on the line given. (3 points each)

Assume that the number of days of sick-leave used in a year by state employees for the state of Oklahoma has a mound-shaped distribution with a mean of 8 days and a standard deviation of 2.5 days. Use this information to answer the questions on this page.
21. Approximately what percent of state employees for the state of Oklahoma use more than 13 days of sick leave in a year?
22. About 16% of the state employees use fewer than how many sick leave days in a year?
23. The number of sick leave days used by about 95% of all state employees is between what two values?
24. If an employee uses 14 days of sick leave, what is the z-score associated with the employee's value?
25. If an employee has a z-score of -2.1, what is the number of days of sick leave associated with that employee?
26. What is the approximate 84 th percentile of this distribution of the annual number of days of sick leave?



in 2016 or does not plan to vote in 2018?