MATH 140 SUMMER 2010 WORKSE	иеет 1½ Nаме:		
		(please print le	gibly)
Let $U = \mathbf{S} = \mathbb{Z}$ (the sample space is the int	egers).		
Let the data be described as $X_1$ , $X_2$ , $X_3$ , $X_4$	(as in problem 1), as X	$_{1}, X_{2}, X_{3}, X_{4}, X_{5}$ (as in	problem 2) etc.
0. Let the data set be $D_0 = \{1, 1, 20, 20, \frac{Using\ SPSS}{n}\}$ find:	40, 40, 50}		
A. draw a histogramme and comment on its B. The median of the sample C. the a E. the harmonic mean of the sample. H. the variance of the sample. J. the skewness of the sample.	appropriateness, correct rithmetic mean (sample of F. the geometric mean I. the standard deviatio K. the kurtosis of the sa	mean) of the sample. of the sample. n of the sample.	D. the mode of the sample G. find the range
$^{1}\!\!/_{4}$ . Let the data set be $D_{1/2} = \{1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1$	10, 10, 50}		
A. draw a histogramme and comment on its B. The median of the sample C. the a E. the harmonic mean of the sample. H. the variance of the sample. J. the skewness of the sample.	appropriateness, correct rithmetic mean (sample of F. the geometric mean I. the standard deviation K. the kurtosis of the sa	mean) of the sample. of the sample. n of the sample.	D. the mode of the sample G. find the range
$\frac{1}{2}$ . Let the data set be $D_{1/2} = \{1, 40, 40, 40, 40, 40, 40, 40, 40, 40, 40$	40, 40, 50, 50}		
A. draw a histogramme and comment on its appropriateness, correctr B. The median of the sample C. the arithmetic mean (sample not be sample.) E. the harmonic mean of the sample. F. the geometric mean of the standard deviation of the sample. I. the skewness of the sample. K. the kurtosis of the sample is appropriateness, correctr  F. the geometric mean of the standard deviation of the sample.  I. the standard deviation of the sample is appropriateness, correctrictly appropriateness.		mean) of the sample. of the sample. n of the sample.	D. the mode of the sample G. find the range
1. Let the data set be $D_1 = \{1, 2, 3, 4\}$ <u>Using SPSS</u> find:  A. the mode of the sample  B. The set of the geometric mean of the sample.  F. find the range	median of the sample	C. the arithmetic mea E. the harmonic mea	un (sample mean) of the sample. In of the sample.
2. Let the data set be $D_2 = \{1, 2, 2, 3, 4\}$ Using SPSS find:  A. the mode of the sample  B. The set of the sample.  F. find $\overline{X}$	median of the sample	C. the arithmetic mea	an (sample mean) of the sample. In of the sample.
3. Let the data set be $D_3 = \{1, 2, 3, 3, 3, 4, 4, 2, 3, 3, 3, 4, 4, 2, 3, 3, 4, 4, 2, 3, 3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,$	1, 5, 5, 5}		

C. the arithmetic mean (sample mean) of the sample.

E. the harmonic mean of the sample.

A. draw a histogramme and comment on its appropriateness, correctness, or lack thereof.

Using SPSS find:

B. The median of the sample

F. find the mode of the sample

D. the geometric mean of the sample.

Find: