MATH 140 SUMMER 2009 V	VORKSHEET II NAME:	
WATH 140 BUNNIER 2007 V	ORRSHELT H TANIL.	(please print legibly)
		T C 7/
Let $U = S = \mathbb{Z}$ (the sample space	is the integers).	
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.		
1. Let the data set be $D_1 = \{1, 2, 3\}$		2, 3, 4, 3 (1)
Find:	, , ,	
A. the mode of the sample	B. The median of the sample	C. the arithmetic mean (sample mean) of the sample.
D. the geometric mean of the samp		E. the harmonic mean of the sample.
F. find the deviation of X_1	G. find the variance of the sample	H. find the standard deviation of the sample
I. find the mean absolute deviation	(MAD)	J. find the range
2. Let the data set be $D_2 = \{1, 2, 2, 3, 4\}$		
Find:		
F. find the deviation of X_1	G. find the variance of the sample	H. find the standard deviation of the sample
(1.2.6		
3. Let the data set be $D_3 = \{1, 2, 3\}$	3, 3, 4}	
Find:		TIC 14 (1 11 C C4 1
F. find the deviation of X_1	G. find the variance of the sample	H. find the standard deviation of the sample
$A = \{a, b, b, a, a, b, B, \{1, 2, 2, 2, 4\}\}$		
4. Let the data set be $D_4 = \{1, 3, 3, 3, 4\}$		
Find: F. find the deviation of X ₁	G find the variance of the sample	H. find the standard deviation of the sample
	ndard deviation to accurate to 3 sign	
in this air approximation for the state	induit de viation to decarde to 5 bign	incular inguites.
5. Let the data set be $D_5 = \{1, 2, 2\}$	2, 3, 3, 4}	
Find:	, - , - , ,	
F. find the deviation of X_1	G. find the variance of the sample	H. find the standard deviation of the sample
I. find an approximation for the standard deviation to accurate to 3 significant figures.		
6. Let the data set be $D_6 = \{1, 1, 1, 4, 4, 4\}$		
Find:		

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

E. the harmonic mean of the sample.

G. find the variance of the sample H. find the standard deviation of the sample

B. The median of the sample

A. the mode of the sample

F. find the deviation of X_1

D. the geometric mean of the sample.