MATH 140 SUMMER 2009 WORKSHEET I NAME:_____
(please print legibly)

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 $D_1 = \{1, 2, 3, 4\}$
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 sample. E. the harmonic mean of the sample.
F. find the range

2. Let the data set be $D_2 = \{1, 2, 2, 3, 4\}$
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 sample. E. the harmonic mean of the sample.
F. find $\overline{X}$

3. Let the data set be $D_3 = \{1, 2, 3, 3, 3, 4, 5, 5, 5\}$
A. draw a histogramme
Find:
B. The median of the sample C. the arithmetic mean (sample mean) of the sample.
D. the geometric mean of the sample. E. the harmonic mean of the sample.
F. find the mode of the sample

4. Let the data set be defined by the following frequency table:

$X = x$	1	3	4
$f(x)$	3	1	3

A. draw a histogramme
Find:
B. find the range C. the arithmetic mean (sample mean) of the sample.
D. the geometric mean of the sample. E. the harmonic mean of the sample.
F. the mode of the sample G. The median of the sample

5. Let the data set be $D_4 = D_1 \cup D_2 \cup D_3$
Find:
A. the mode of the sample B. The median of the sample C. the arithmetic mean (sample mean) of the sample.