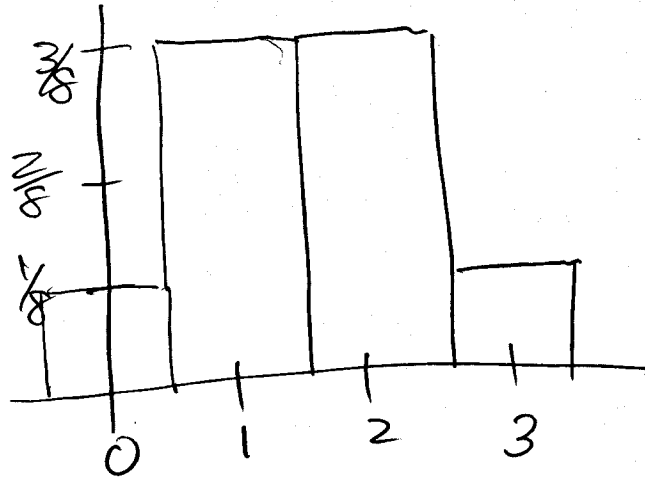


MATH 110 - QUIZ 11 - 13 NOVEMBER 2009

Answer all of the following questions in the space provided.

1. (5 pts.) A fair coin is tossed three times and the number of heads is observed. Determine the probability distribution for this experiment and draw its histogram.

<u>outcome</u>	<u>prob</u>
0	$\frac{1}{8}$
1	$\frac{3}{8}$
2	$\frac{3}{8}$
3	$\frac{1}{8}$



2. (5 pts.) The following data are the scores on a quiz given (there is a total of 20 scores) in a certain math class. Determine the relative frequency distribution associated with these data and draw its histogram.

7, 8, 9, 6, 6, 10, 2, 10, 5, 7, 7, 9, 8, 7, 10, 8, 10, 2, 7, 2

<u>score</u>	<u>frequency</u>	<u>percentage</u>
2	3	$\frac{3}{20} = .15$
3	0	$\frac{0}{20} = 0$
4	0	$\frac{0}{20} = 0$
5	1	$\frac{1}{20} = .05$
6	2	$\frac{2}{20} = .10$
7	4	$\frac{4}{20} = .20$
8	3	$\frac{3}{20} = .15$
9	2	$\frac{2}{20} = .10$
10	4	$\frac{4}{20} = .20$

