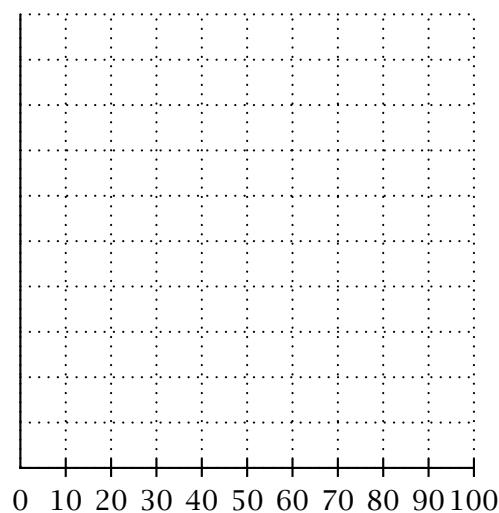
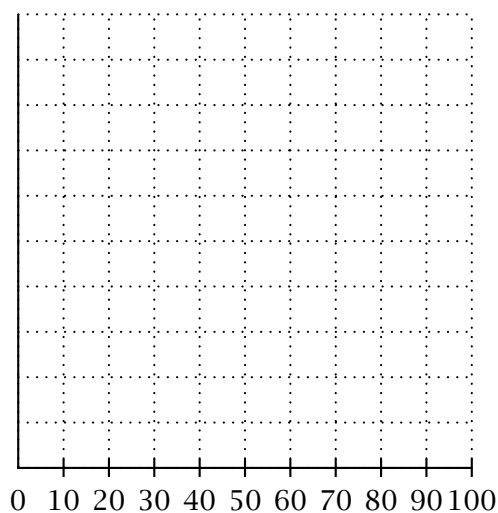


MA 110-11 §4.1 – 4.3	Quiz #6	score	Name: _____ 18 June 2002
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1. We have data in the following categories. (8 points)

<i>interval</i>	<i>frequency</i>	
$0 \leq x < 30$	4	
$30 \leq x < 50$	6	
$50 \leq x < 60$	12	
$60 \leq x < 80$	9	
$80 \leq x \leq 100$	5	

Construct a relative frequency histogram and a relative frequency density histogram using the x -values on the horizontal axis on the two sets of axes below. Choose an appropriate scaling on the vertical axis and label the values.



2. Using the data from problem above, estimate the mean and the median as best you can. (6 points)

3. Let $S = \{10, 12, 15, 16\}$. Calculate the sample variance and standard deviation for the dataset S . (6 points)