

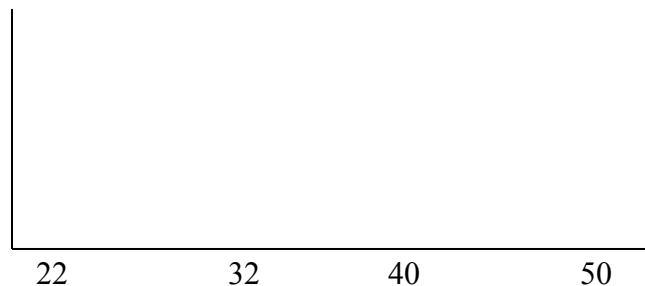
22S:25 HW Supplement #1- Spring 2012 Name _____ Sec _____

Directions: For each problem, **show the necessary work** and indicate clearly your answer.

1. Draw the histogram for the data summarized in the table below:

class	22-32	32-36	36-40	40-50
frequency	5	3	5	7

Use the **3 class intervals** indicated on the horizontal axis. Label the heights of the **3 rectangles** that you draw.



2. Find the **standard deviation** of the following list of numbers. (Express your answer to the nearest tenth.)

6 8 8 12 26

3. Use the histogram below to answer (a) and (b).



a) Estimate the percentage of the data in the 24 - 35 range.

b) Find the **median** of the histogram.

4. At a regional airport, the long-term parking lot has 2 exit booths: booth #1 (cash only) and booth #2 (cash or credit card). On Sunday evening, 43 cars exit through booth #1 and 168 cars exit through booth #2. The average parking payment at booth #1 was \$32.50, while the average payment at booth #2 was \$74.25. What was the average long-term parking payment made on Sunday evening?