MATH 110 – QUIZ 10 – 9 NOVEMBER 2009

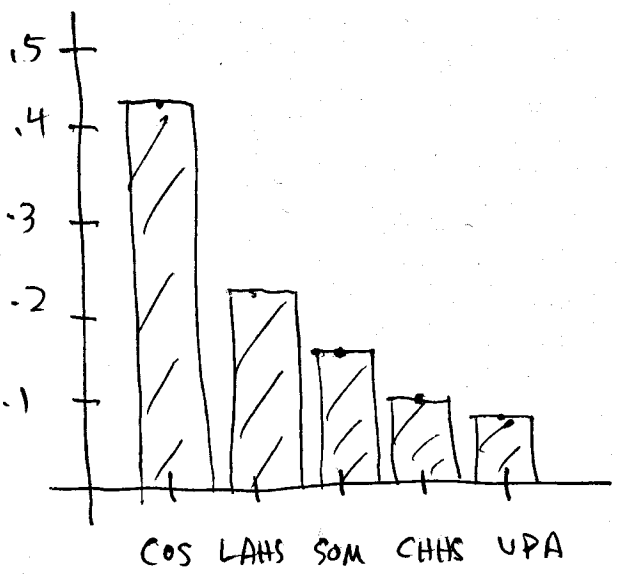
Answer all of the following questions in the space provided.

1. (5 pts.) Five colleges offering bachelors degrees at a certain university are the following: College of Science (COS), College of Liberal Arts and Human Sciences (LAHS), School of Management (SOM), the College of Health and Human Services (CHHS), and the College of Visual and Performing Arts (VPA). The number of students with declared majors in each of these schools is given below.

COS 11000 ; LAHS 6000 ; SOM 4500 ; CHHS 2500 ; VPA 2000

Display the *percentage* data from this table in a bar chart.

11000 COS
6000 LAHS
4500 SOM
2500 CHHS
2000 VPA
26000



$\frac{11000}{26000} \approx .42$ COS

$\frac{6000}{26000} \approx .23$ LAHS

$\frac{4500}{26000} \approx .17$ SOM

$\frac{2500}{26000} \approx .10$ CHHS

$\frac{2000}{26000} \approx .08$ VPA

2. (5 pts.) The following data are the scores on a quiz given in a certain math class. Find the 5–number summary of this data (that is, find the minimum, maximum, Q_1, Q_2, and Q_3).

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

In order: 2, 5, 6, 6, 7, 7, 7, 7, 8, 8, 8, 9, 9, 10, 10, 10, 10

Q_1 Q_2 Q_3

min: 2
max: 10
$Q_2 = 8$

$Q_1 = \frac{6+7}{2} = 6.5$

$Q_3 = \frac{9+10}{2} = 9.5$