

## Math 153 - Quiz 4

September 22, 2016

Name \_\_\_\_\_

Score \_\_\_\_\_

Show all work to receive full credit. Supply explanations when necessary. In each problem below, the word *mean* refers to the arithmetic mean.

---

1. (3 points) Sam received grades of B, A, D, B, C in classes with 4, 5, 2, 3, 1 credit hours, respectively. Compute Sam's GPA.
2. (3 points) Some teens and adults were asked how much cash they were carrying. 12 teens were carrying a mean amount of \$6.85, and 28 adults were carrying a mean amount of \$24.25. What was the mean amount carried by all 40 people?
3. (2 points) If you had to estimate the median amount of money carried by the teens and adults in the problem above, what answer would you give and why?
4. (2 points) Roughly sketch a histogram for a make-believe set of data in which the median is greater than the mean.