Mean Absolute Deviation HW Worksheet

Name _____ Period _____ Date _____

Directions: Solve the following problems by finding the mean, median, range, or mean absolute deviation (MAD). You may use a calculator, but you must **show your work!**

1. {13, 15, 9, 35, 25}

   Mean = _____

   MAD = _____

   Range = _____

2. {6, 1, 3, 8, 5, 11, 1, 5}

   Mean = _____

   MAD = _____

   Range = _____

3. Jason and Jill are two students in Mr. White's math class. On the last five quizzes, Jason scored an 80, 90, 95, 85, and 70. Jill scored a 70, 75, 90, 100, and 95. Find the mean and mean absolute deviation for each student.

   Jason's Mean = _____

   Jason's MAD = _____

   Jill's Mean = _____

   Jill's MAD = _____

   Who has a better quiz average? _____

   Who has more consistent grades? _____

4. The Smith and Jones families each have six family members. They wanted to compare the differences in ages between the two families. The ages of the members of Smith family are 45, 43, 13, 11, 5, and 2, while the Jones family members are 45, 39, 17, 16, 4, and 1. Find the mean absolute deviation and range in ages for each family.

   Smith Family MAD = _____

   Smith Family Range = _____

   Jones Family MAD = _____

   Jones Family Range =_____

   Which family has the greatest difference in ages? _____

5. Sherry has an after-school job at Papa John's. Her boss keeps track of how many pizzas she sells each day. During her last five days of work, she served 29, 58, 15, 75, and 22 pizzas.

What was the median number of pizzas Sherry sold? _____

What was the mean absolute deviation of the pizzas she sold? _____