NAME _____ DATE _____ PERIOD _____

Lesson 4 Homework Practice

Mean Absolute Deviation

Find the mean absolute deviation for each set of data. Round to the nearest hundredth if necessary. Then describe what the mean absolute deviation represents.

1.

Cost of Video Games ($)				
40	55	60	48	57
33	57	20	80	47

2.

Number of Sunny Days in Various Cities Last Month			
27	15	10	19
24	21	28	16

3. The table shows the number of wins of each school baseball team over the last six years. Find the mean absolute deviation for each set of data. Round to the nearest hundredth if necessary. Then write a few sentences comparing their variation.

Number of Wins Per Season					
Bears	7	10	13	12	9
Saints	12	15	10	14	13

For Exercise 4–7, refer to the table that shows the highway fuel economy of various popular vehicles.

Fuel Economy (Miles per Gallon)				
34	48	25	35	33
37	32	34	23	30

4. Find the mean absolute deviation. Round to the nearest hundredth.

5. How many data values are closer than one mean absolute deviation away from the mean?

6. Which data value is farthest from the mean? How far is this value from the mean? Round to the nearest hundredth.

7. Are there any data values that are more than twice the mean absolute deviation from the mean? Explain.