Key for Homework #2/#3 Worksheet

1. Range = 5 IQR = 2.5
2. Data Set 1: Mean = 37.8 standard deviation = 14.6

Data Set 2: Mean 65.4 standard deviation = 52.3

Sample Statements: Due to the smaller standard deviation, the speeds of the wild cats (data set 1) are more clustered around the mean than the speeds of the birds (data set 2)

Due to the larger standard deviation, the speeds of the birds (data set 2) are spread further from the mean than speeds of the wild cats. (data 1)

1. Data Set 1: Mean = 6.8 standard deviation = 4.1

Data Set 2: Mean 2.9 standard deviation = 1.98 or 2

Sample Statements: Due to the smaller standard deviation, data set 2’s values are more clustered around the mean than those of data set 1.

Due to the larger standard deviation, data set 1’s values are spread further from the mean than those of data set 2.

1. 2 standard deviations
2. 3 standard deviations
3. 2.8
4. -2.08
5. a) Robert, Jan, and Linda

b) Joel

8) Robert 172

9) John 134