Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Intro to Statistics – Ms. Klimczuk

Using 1-Variable Stats on the Calculator

Use the following calculator steps:

1. Go to STAT 🡪 Edit 🡪 Enter your data into L1.
2. Go to STAT 🡪 CALC 🡪 1-Var Stats

Write down what all the symbols mean below:

$\overbar{x}=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

$\sum\_{}^{}x=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

$\sum\_{}^{}x^{2}=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

$S\_{x}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

$σ\_{x} $= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*n* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*minX* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Q1* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 *Med =* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 *Q3 =* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 *maxX* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find each of the following for the data sets given:

1. {1, 4, 7, 8, 23, 57, 68, 98}

 $\overbar{x}=$\_\_\_\_\_\_\_\_\_\_\_\_ $\sum\_{}^{}x=$\_\_\_\_\_\_\_\_\_\_\_\_ $\sum\_{}^{}x^{2}=$\_\_\_\_\_\_\_\_\_\_\_\_ $S\_{x}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

$$ $$

$ σ\_{x} $= *\_\_\_\_\_\_\_\_\_\_\_\_ n* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ *minX* = \_\_\_\_\_\_\_\_\_\_\_\_ *Q1* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 *Med = \_\_\_\_\_\_\_\_\_\_\_ Q3 = \_\_\_\_\_\_\_\_\_\_\_\_\_ maxX* = \_\_\_\_\_\_\_\_\_\_\_\_

1. {4, 7, 88, 76, 54, 34, 23, 11, 11, 17, 29}

 $\overbar{x}=$\_\_\_\_\_\_\_\_\_\_\_\_ $\sum\_{}^{}x=$\_\_\_\_\_\_\_\_\_\_\_\_ $\sum\_{}^{}x^{2}=$\_\_\_\_\_\_\_\_\_\_\_\_ $S\_{x}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

$ σ\_{x} $= *\_\_\_\_\_\_\_\_\_\_\_\_ n* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ *minX* = \_\_\_\_\_\_\_\_\_\_\_\_ *Q1* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 *Med = \_\_\_\_\_\_\_\_\_\_\_ Q3 = \_\_\_\_\_\_\_\_\_\_\_\_\_ maxX* = \_\_\_\_\_\_\_\_\_\_\_\_

1. {8, 56, 43, 27, 60, 98, 65, 47, 35, 21, 66}

 $\overbar{x}=$\_\_\_\_\_\_\_\_\_\_\_\_ $\sum\_{}^{}x=$\_\_\_\_\_\_\_\_\_\_\_\_ $\sum\_{}^{}x^{2}=$\_\_\_\_\_\_\_\_\_\_\_\_ $S\_{x}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

$ σ\_{x} $= *\_\_\_\_\_\_\_\_\_\_\_\_ n* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ *minX* = \_\_\_\_\_\_\_\_\_\_\_\_ *Q1* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 *Med = \_\_\_\_\_\_\_\_\_\_\_ Q3 = \_\_\_\_\_\_\_\_\_\_\_\_\_ maxX* = \_\_\_\_\_\_\_\_\_\_\_\_