1. Given: \( n = 10 \), \( \sum x = 215 \), and \( \sum x^2 = 4750 \)
   (a) (2 points) Find \( \bar{x} \). Round your answer to one decimal place.
      (a) 

   (b) (3 points) Find \( s^2 \). Simply your answer to a reduced fraction.
      (b) 

   (c) (1 point) Find \( s \). Round your answer to one decimal place.
      (c) 

2. Given: \( n = 15 \), \( \sum x = 120 \), and \( \sum x^2 = 960 \)
   (a) (2 points) Find \( \bar{x} \). Round your answer to one decimal place.
      (a) 

   (b) (2 points) Find \( s^2 \). Simply your answer to a reduced fraction.
      (b) 

   (c) (1 point) Find \( s \). Round your answer to one decimal place.
      (c) 

   (d) (2 points) What do you conclude from these results?
      (d) 

No Work ⇔ No Points
Use Pencil Only ⇔ Be Neat & Organized
3. The following calculator display presents the class midpoints and corresponding class frequencies of a grouped data of a randomly selected sample respectively stored in $L_1$ and $L_2$.

\[
\begin{array}{|c|c|c|}
\hline
L1 & L2 & L3 \\
\hline
35 & 7 & \\
50 & 16 & \\
65 & 29 & \\
80 & 20 & \\
95 & & \\
\hline
\end{array}
\]

\[L2(6) = \]

(a) (6 points) Complete the frequency distribution table below starting with the minimum value of the data set:

<table>
<thead>
<tr>
<th>Class Midpoint</th>
<th>Class Frequency</th>
<th>Cumulative Frequency</th>
<th>Relative Frequency</th>
<th>Percentage Frequency</th>
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(b) (2 points) Find the sample size and the class width.

(b) \__________

(c) (2 points) Find the sample mean and standard deviation rounded to three decimal places.

(c) \__________

(d) (3 points) Find the exact value of the sample variance in reduced fraction.

(d) \__________
(e) (3 points) Draw its histogram using the class midpoints. Clearly label and mark your graph.

(f) (3 points) Draw its pie-chart. Clearly label and mark your graph.

4. Consider the graph below:

(a) (1 point) Find the sample size.

(b) (1 point) Find the class width.

(a) 

(b)
(c) (6 points) Complete the frequency distribution table below starting with the minimum value of the data set:

<table>
<thead>
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<th>Relative Frequency</th>
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(d) (2 points) Find the sample mean and standard deviation rounded to one decimal places.

(d) __________

(e) (3 points) Find the exact value of the sample variance in reduced fraction.

(e) __________

(f) (5 points) Draw its boxplot. Clearly label and mark your graph.