The following data represents the temperature at 4 towns in Mathechusettes when lightning struck.

| Numbersville | Realtown | Linesville | Maths Meadow |
| :---: | :---: | :---: | :---: |
| $\begin{array}{llllllllllll}95 & 97 & 88 & 86 & 92 & 94\end{array}$ | $66 \quad 68 \quad 7577 \quad 6674$ | $\begin{array}{lllll}58 & 55 & 58 & 57 & 54\end{array}$ | $\begin{array}{llllll}86 & 72 & 73 & 78 & 81 & 80\end{array}$ |

1. Find the following values, rounding to the nearest tenth when necessary:

| Numbersville | Realtown | Linesville | Maths Meadow |
| :--- | :--- | :--- | :--- |
| Mean: | Mean: | Mean: | Mean: |
| Median: | Median: | Median: | Median: |
| Range: | Range: | Range: | Range: |
| Standard Deviation: | Standard Deviation: | Standard Deviation: | Standard Deviation: |

a. Which town has the greatest range of temperature?
b. What town has the least variation in temperature? Justify by talking about the standard deviation.
2. Find the value of $x$.
a. 20, $\boldsymbol{x}, 77,11,43$; The median is 43 .
b. $\quad 60,75,120, \boldsymbol{x}$; The median is 75.5
c. $13, \boldsymbol{x}, 19,20,18,17$. The mean is 17 .
d. $37,46, \boldsymbol{x}, 63,88$; The mean is 50.
e. $12,19,20,24, \boldsymbol{x}$. The mean is 22.
f. $30,90,60,50,120, \boldsymbol{x}$; The median is 65


