1)

Min: 165

$$0.1: 169.5$$

Median: 176

 $0.3: 179.5$

Max: 185.0

2) Mean =
$$\frac{1}{n}\sum_{i=1}^{n}(x_i) = \sqrt{15.2}$$

sample = $\frac{1}{n-1}\sum_{i=1}^{n}(x_i-x_i) = \frac{1}{14}\sum_{i=1}^{15}(x_i-175.2) = \sqrt{41.17}$
sample = $\frac{1}{n-1}\sum_{i=1}^{n}(x_i-x_i) = \sqrt{41.17} = \sqrt{6.42}$
should dev = $\sqrt{x} = \sqrt{41.17} = \sqrt{6.42}$
i) $T_i = \sum_{i=1}^{n}(x_i-x_i)^2 = \sum_{i=1}^{15}\frac{(x_i-174)^2}{38} = 10.884.74$ $t_i = \sqrt{17.274}$ $t_i = \sqrt{17.274}$

$$|i| T_2 = \frac{15}{2} (x_1 - 175.2)^2$$

= $|i| \frac{15}{38} = 11042.57$

$$t_2 = (185 - 175.2)^2$$
= 15.17

(|ii)
$$T_3 = \frac{1}{\sqrt{\frac{642^2}{15}}} = \frac{1}{75.2 - 174} = .72$$

4) i)
$$175.2 + 1.645 - 6.42$$
 $175.2 + 1.645 - 6.42$
 $175.2 - 1645 - 6.42$
 $175.2 - 1645 - 6.42$
 $175.2 - 1645 - 6.42$
 $175.2 - 1645 - 6.42$
 $175.2 - 1645 - 6.42$

i)
$$\sqrt{\frac{5}{\sqrt{n}}} = 175.2 \pm \frac{\sqrt{38}}{\sqrt{15}} = \frac{172.66,177.74}{172.66,177.74}$$

$$|75.2 + \sqrt{71}| = |72.66| = |72.66| = |73.2 - \sqrt{71}| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| = |77.74| =$$

$$t=1.753$$
 $\sqrt{3} = -1.54$
 $\sqrt{172.5}, 177.7$
 $\sqrt{22.5}, 78.7$

$$\frac{15 \cdot 38}{25} = 0.753$$

$$\frac{15 \cdot 38}{25} = 0.72$$

$$\frac{15 \cdot 38}{7.26}$$

$$\frac{17 \cdot 28}{7.26}$$

$$\frac{17 \cdot 28}{7$$

then
$$E(x) = \frac{1}{\beta} = \frac{1}{n} \sum_{i=1}^{n} X_i = X_n$$