Série 5

1) a) $1-\alpha = 95\%$ $T_{dec}$ $s = 1{,}6\,°C$

$\bar{x} = 1{,}4\,°C$

$n =$

$t_{\alpha/2} = t_{0{,}025} = 2{,}306$

$$\left[ \bar{x} - 2{,}228 \cdot \frac{s}{\sqrt{n}} \; ; \; \bar{x} + 2{,}228 \cdot \frac{s}{\sqrt{n}} \right]$$

$$\left[ 1{,}4 - 2{,}228 \cdot \frac{1{,}6}{\sqrt{10}} \; ; \; 1{,}4 + 2{,}228 \cdot \frac{1{,}6}{\sqrt{10}} \right]$$

$$[0{,}3 \; ; \; 2{,}5]$$

b) $1-\alpha = 99\%$ $s = 1{,}6\,°C$

$\hookrightarrow 0{,}5\%$

$\bar{x} = 1{,}4°C$

$t_{\alpha/2} = t_{0{,}005} = 3{,}169$