Date: / /

3 $n=10$, $\bar{x}=13.63$, $S=6.05$,

$n-1=9$ $1-\alpha=0.98$, $\frac{\alpha}{2}=0.01$

$t_{0.01}(9)=2.821$

$\bar{x} \pm t_{\frac{\alpha}{2}}(n-1)\frac{S}{\sqrt{n}} = 13.63 \pm$

$t_{0.01}(9)\frac{6.05}{\sqrt{10}}$

$=13.63 \pm 2.821 \times 1.91$

$=13.63 \pm 5.39 \rightarrow (8.24, 19.02)$