(1) $t_{0.025}(10) = 2.228$

(2) $t_{0.95}(8) = -t_{0.05}(8) = -1.86$.

(3) $\chi^2_{0.05}(12) = 21.03$

(4) $\chi^2_{\alpha}(15) = 7.26$, $v=15$. $\alpha = 0.95$

(5) $\chi^2_{0.95}(10) = 3.94$

(6) $F_{0.05}(5,8) = 3.69$

(7) $F_{0.95}(6,7) = \dfrac{1}{F_{0.05}(7,6)} = \dfrac{1}{4.21} = 0.238$.

(8) $F_{\alpha}(6,6) = 4.28$ $\alpha = ?$

$V_1 = 6$, $V_2 = 6$. $\Rightarrow \alpha = 0.05$