Let $t_0$ be a specific value of $t$. Use technology or Table III in Appendix B to find $t_0$ values such that following statements are true:

a. $P(t \geq t_0) = .025$, where $df = 10$

b. $P(t \geq t_0) = .01$, where $df = 17$

c. $P(t \leq t_0) = .005$, where $df = 6$

d. $P(t \leq t_0) = .05$, where $df = 13$

\[ t_0 = t_{10,.025} = 2.228 \]

\[ t_0 = t_{17,.01} = 2.567 \]

\[ -t_0 = t_{6,.005} = 3.707 \implies t_0 = -3.707 \]

\[ -t_0 = t_{13,.05} = 1.771 \implies t_0 = -1.771 \]