Example 3.4: Test Construction

```
n1<- 6; n2 <- 6
df <-  n1 + n2 -2
alpha <- 0.05
curve(pt(x,df=df),from=-5, to=5, ylab= expression(F[n]),
    main="t-Test: Critical Value")
abline(h=1-alpha, col="red")       # cut at upper quantile
abline(v=qt(1-alpha, df=df), lty=3, col="red") # get critical value
legend("topleft", legend=c("level","critical value"),
    lty=c(1,3),col="red",
    bty="n", inset=c(0,0.2))
```

t−Test: Critical Value