HW 10 Interval Estimation

1. Give line comments to the following R function (Formula #2)

```r
4  int.est = function(x,conf){
5
6      area = (conf/100)+((1-(conf/100))/2)
7      se = sd(x)/sqrt(length(x))
8      margin = qt(area,length(x)-1)*se
9
10         lower = mean(x)-margin
11         upper = mean(x)+margin
12
13     cat("lower=",lower,"upper=",upper)
14
15  }
16
17  score = c(83,73,62,63,71,77,77,59,92)
18  int.est(score,95)
19
20  t.test(score)$conf.int
```

2. Use this function to find 95% CI. of the true mean from score data
3. Compare the results with the confidence interval from t-test