## SESSION 9: Statistical Inference Assignment 2

1. Calculate the p-value for the test in Problem no 2.

```
a <- 5
s <- 2
n <- 20
xbar <- 7
z <- (xbar-a)/(s/sqrt(n))
z
[1] 4.472136
2*pnorm(-abs(z))
[1] 7.744216e-06</pre>
```

2. How do you test the proportions and compare against hypothetical props? Test hypothesis: proportion of automatic cars is 40%