Appendix of R code and subsequent output

Not all code present will be used. It is part of the exam for you to correctly identify which piece of output you need to answer a specific question.

```
prop.test(x=87, n=1000,  alternative = 'greater') #A


1-sample proportions test with continuity correction

data:  87 out of 1000, null probability 0.5
X-squared = 680.62, df = 1, p-value = 1
alternative hypothesis: true p is greater than 0.5
95 percent confidence interval:
 0.07297148 1.00000000
sample estimates:
    p
0.087
```

```
prop.test(x=87, n=1000,  alternative = 'less') #B


1-sample proportions test with continuity correction

data:  87 out of 1000, null probability 0.5
X-squared = 680.62, df = 1, p-value < 2.2e-16
alternative hypothesis: true p is less than 0.5
95 percent confidence interval:
 0.000000 0.103333
sample estimates:
    p
0.087
```

```
prop.test(x=87, n=1000,  alternative = 'two.sided') #C


1-sample proportions test with continuity correction

data:  87 out of 1000, null probability 0.5
X-squared = 680.62, df = 1, p-value < 2.2e-16
alternative hypothesis: true p is not equal to 0.5
95 percent confidence interval:
 0.07062139 0.10662945
sample estimates:
    p
0.087
```

```
prop.test(x=87, n=1000,  p=.065, alternative = 'greater') #D
```

```
1-sample proportions test with continuity correction

data:  87 out of 1000, null probability 0.065
X-squared = 7.6059, df = 1, p-value = 0.002909
alternative hypothesis: true p is greater than 0.065
95 percent confidence interval:
 0.07297148 1.00000000
sample estimates:
    p
0.087
```

```
prop.test(x=87, n=1000, p=.065, alternative = 'less') #E
```

```
1-sample proportions test with continuity correction

data:  87 out of 1000, null probability 0.065
X-squared = 7.6059, df = 1, p-value = 0.9971
alternative hypothesis: true p is less than 0.065
95 percent confidence interval:
 0.000000 0.103333
sample estimates:
    p
0.087
```

```
prop.test(x=87, n=1000, p=.065, alternative = 'two.sided') #F
```

```
1-sample proportions test with continuity correction

data:  87 out of 1000, null probability 0.065
X-squared = 7.6059, df = 1, p-value = 0.005818
alternative hypothesis: true p is not equal to 0.065
95 percent confidence interval:
 0.07062139 0.10662945
sample estimates:
    p
0.087
```