

Questions may be answered with R code or unsimplified math. In class on Friday, we saw code similar to

```
xbar + qnorm(c(0.025, 0.975)) * sd / sqrt(n)
```

1. State the dimensions of each sub-expression in the code above and explain how R deals with each binary, mathematical operation – I count three such operations.
2. Provide a literal description of what the confidence percentage means.
3. For any one confidence interval, do you know whether or not it includes the true population mean?