

# p8130\_hw2

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## Problem 1

1) From the data, we can get a table like this:

##	Yes	No	Total
## Pos	79	10	89
## Neg	34	207	241
## Total	113	217	330

According to the definition of sensitivity and specificity, we can calculate:

- **sensitivity** =  $P(\text{Pos}|\text{Yes}) = 79/113 = 69.9115044\%$ .
- **specificity** =  $P(\text{Neg}|\text{No}) = 207/217 = 95.3917051\%$ .