STA 314H1S: Quiz 2

Time allowed: 10 minutes; Total points: 10

,	Student Name:	Student ID:
hand	in your printout together with the quiz.	o written clearly on your printout, and remember to There will be 4 points for your printout. Answer the for the computation problem in the problem set 2.
1.	the dimension of your feature from $p =$	e same value of σ in your original answer, but increase 500 to $p=800$. What will happen to the proportion based on your answer to part(a), provide an estimate
2.	Circle the line of source code that you we change it in the space provided below,	your code to implement a Leave-one-out CV instead? will change in your printout, and explain how will you without using any analytical formula for the average tion time to increase or decrease due to this change?
3.	PC directions using the result from eig	given that $\mathbb{E}(\mathbf{x}) = 0$, can you compute the sample $\text{gen}(\mathbf{t}(\mathbf{X})\%*\%X)$ in R? Provide an explanation for your lat would be an alternative approach (here X denotes pose.)