Name: MAT 222 Spring 2019 Quiz 9	"Aaaaaaa	rrhhhhgggg" – Chewbacca, Star Wars
For each of the	e questions below, place a check next to the correct res	ponse.
Problem 1: Ar	n ANOVA F -test is most like	
(a)	a simple linear regression.	
(b)	a two-sample t -test.	
(c)	a one-sample t -test.	
	you had an experiment with one factor with 4 subgroupes of freedom for the F -test are	ips, each with 5 observations,
(a)	3 and 16.	
(b)	4 and 20.	
(c)	3 and 17.	
	f you computed an ANOVA F -test and obtained a p -val 5), this means that	ue of 0.001 (assuming signifi-
(a)	all the groups have the same mean.	
(b)	all the groups have different means.	
(c)	some of the group means are different from the other	·s.
standard devia	uppose you have four groups upon which you want to pations $s_1=2.2,\ s_2=3.8,\ s_3=5.9,\ {\rm and}\ s_4=4.1.$ The pproximately normal. Is an ANOVA test appropriate?	·
(a)	Yes	
(b)	No	
Problem 5: Be	elow is an ANOVA table. The estimate of the common s	standard deviation is
	Source DF SS MS F Groups 3 57.65 19.217 10.881 0 Error 50 88.31 1.766 Total 53 145.96	P 0.000
(a)	145.96	
(b)	1.766	
(c)	1.329	