Class Time:			
Names:			
F Distr	ibution	and ANO	VA: ANO
Student Learning Outcome:			
• The student will co	onduct a sim	nple ANOVA test	involving th
Collect the Data			
Record the price per p	ound of 8 fr	ruits 8 vegetable	os and 8 hre
1. Record the price per p			
	Fruits	Vegetables	Breads
2. Explain how you could	try to colle	_ ct the data rando	omly.
Analyze the Data and Con	duct the Hy	pothesis Test	
Compute the following	! :		

Fruit:

• $s_x =$ _____

Vegetable:

•
$$S_x =$$

Bread:

•
$$S_x =$$

2. Find the following

3. State the approximate distribution for the test.

5. Sketch a graph of this situation. CLEARLY, label and scale the horizontal axis and shade the region(s) corresponding to the p-value.

6.	Tes	t at α = 0.05. State your decision and conclusion.
	a.	Decision: Why did you make this decision?
	b.	Conclusion (write a complete sentence).
	c.	Based on the results of your study, is there a need to further investigate any of the food groups' prices? Why or why not?