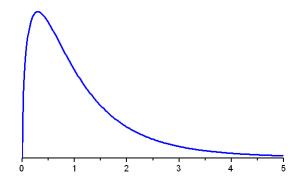
Math 113: Classro 10 pts	oom Activity 9	Name : _		
Materials Needed Paper towel	l: s, food coloring, r	uler.		
paper towel and place or the drop to be mostly converage the	off the desk. Cho ne drop of food co expand and measu ircular, but you m measurements. R	of paper across the ose at least five di ploring in each locare the diameter (in ay need to measur depeat the process l, record the brand coloring in the tal	fferent locations of ation. Wait at lead in mm) of the stain e each stain in two for each brand of aname and the dia	on the paper towel st 15 seconds for . The stains will o directions and
Brand	1	2	3	4
Diameter 1				
Diameter 2				
Diameter 3				
Diameter 4				
Diameter 5				
Diameter 6				
Test the claim the same. 2. Write the number of H ₀ : H ₁ :	at the mean diam		each brand of pa	per towel is the

3. Use Minitab to complete the One-Way Analysis of Variance Table

Source	SS (variation)	÷ df	= MS (variance)	F	P
Factor (between)					
Error (within)					
Total					

- 4. What is the value of the test statistic?
- 5. What is the p-value?
- 6. Use Minitab to find the critical F value.
- 7. Label the figure below.



- 8. The test statistic (does / does not) fall in the critical region.
- 9. The p-value is (less / greater) than the significance level.
- 10. The decision is to (reject / retain) the null hypothesis.
- 11. There (is / is not) enough evidence to (reject / support) the claim that there is a difference in paper towel absorption.
- 12. There (is / is not) enough evidence to (reject / support) the claim that there is no difference in paper towel absorption.