8-2 Hypothesis Test –steps for testing

Claim	
1. Write down the original claim (in symbols)	
2. Label the claim (H_0 or H_1)	
3. Write another hypothesis	
4. Draw curve to show two-tailed, left-tailed, or right-tailed test	
5. Find Test Statistics ■ Assume H_0 is true ■ Write down correct formula ■ Plug in the number to find the score	Plug in sample statistics into formula to find test statistics. ρ, μ, and σ will be the values specified in H_0

	CV Method:	P-value Method:
6 Choose which method to use.		
7. Find CV or P-value	Use α and table to find CV Mark CV and test statistic in the graph	Use test statistic and table to find p-value
8. Make initial Conclusion about null hypothesis	If test statistic falls in critical region, ➔reject H_0 If test statistic does not falls in Critical region, ➔fail to reject H_0	If P-value ≤ α, ➔reject H_0 If P-value > α, ➔ Fail to reject H_0
8. Make final conclusion	If H_0 is original claim and reject H_0, "There is sufficient evidence to reject the claim that.. ." If H_0 is original claim and fail to reject H_0, "There is not sufficient evidence to reject the claim that…" If H_1 is original claim and reject H_0, "There is sufficient evidence to support the claim that..." If H_1 is original claim and fail to reject H_0, "There is not sufficient evidence to support the claim that…"	