

Hypothesis Testing Procedure

- Define the variable (1)
- Write down the two hypotheses (2)
[If not given, identify an appropriate test statistic and the distribution of the corresponding random variable.]
- Identify the significance level, usually given (3) and whether it's one or two tailed (4).
- Determine the probability of the sample data occurring randomly, should be done before collecting data (5).
- Determine whether the probability of sample data is less than or greater than the significance level (6).
- Determine and clarify in context the outcome of the test (7 and 8)

A possible writing frame...

1	Define the variable	
2	Write down the null and alternate hypotheses	
3	What is the significance level?	
4	Is it one or two tailed?	
5	What is the probability of this occurring randomly?	
6	Is this probability less than or greater than the significance level?	
7	Accept or reject the null hypothesis?	
8	Conclude and clarify in context	