AS2 (Assignment 2, Unit 5): Dependent Measures t-test

Please write your answers in red ☺

An investigator is interested in whether the number of dresses tried on in a department store for a wedding will be affected by viewing a fashion magazine. A sample of 5 women was measured on how many dresses each tried on before and after viewing a fashion magazine. The before-and-after scores are as follows:

Subject	Before	After
1	6	2
2	5	7
3	9	6
4	1	3
5	8	5

l. What is the research's hypothesis?

_____

2. What is the null hypothesis?

_____

3. What is the independent variable? _____

4. What is the dependent variable? _____

5. What is the name of the _research design_?_____

6. What is the appropriate _hypothesis test_ to analyze these data? _____

7. Please run the appropriate SPSS analysis and cut and paste your results here:

8. Based on your SPSS results, please answer the following questions:

(a) What decision did you make? Reject or fail to reject the null? _____

(b) Please write your "statistical statement": _____

(c) Please interpret the results of your analysis "in words" and relating DIRECTLY back to the research question.

_____
_____
_____

(d) Is there a probability of Type I error?   Yes _____   No_____

(e) Is there a probability of Type II error?   Yes_____   No_____