

Name _____

11.6 Practice WS

1. A randomized comparative experiment tests whether pet therapy affects the mood scores of hospital patients. The mood scores range from 1 to 10, with scores close to 10 indicating a good mood. The control group has eight patients and the treatment group, which receives the pet therapy, has eight patients. The table shows the results.

- a. Find the mean score of the control group.

	Mood Score							
Control Group	1	4	2	3	8	5	4	2
Treatment Group	3	9	4	7	3	6	2	9

- b. Find the mean score of the treatment group.

- c. Find the experimental difference of the means.

- d. What can you conclude?

- e. Resample the data using a simulation.

- f. Find the mean score of the new control group.

	Mood Score							
Control Group								
Treatment Group								

- g. Find the mean score of the new treatment group.

- h. Find the experimental difference of the new means.