Name: _____   Period: _____

Cutting Corners

Group Product

Facilitator: Read your job description and be sure to follow it!

Recorder/Reporter: Your job is to record your group's responses to the following.

1. Use the regression feature to find a function to model the data.

2. Copy down the equation that best fits your data.

3. Use your model to find the maximum volume of the box.

4. What size cut from each corner should be used in order to maximize the volume?

5. What are the x-intercepts? Interpret the meaning of each in the context of this situation.

6. What are the possible values for the height of the box? Why does that make sense?

Name: _____   Period: _____

7. What part of this worksheet was easiest for your group?

8. Where did your group struggle the most?