Name_____   Date_____

LAB 4E: This model is big enough for all of us!
Response Sheet

Directions: Record your responses to the lab questions in the spaces provided.

Building better models

Divide & Conquer
- **Do you think that a movie's `runtime` is the only factor that goes into how much a movie will make? What else might affect a movie's `gross`?**

Including more info
- **Does this new model make more or less accurate predictions? Describe the process you used to arrive at your conclusion.**

- **Write down the code you would use to include a 3rd variable, of your choosing, in your `lm()`.**

Own your own
- **Write down which other variables in the `movie` data you think would help you make better predictions.**

- **Are there any variables that you think would not improve our predictions?**

- **Create a model for all of the variables you think are relevant.**

Name_____   Date_____

- **Assess whether your model makes more accurate predictions for the `testing` data than the model that included only `runtime` and `reviews_num`**

- **With your neighbors, determine which combination of variables leads to the best predictions for the `testing` data.**