Lab 4E - This model is big enough for all of us!

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

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?

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().

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.

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.