LAB 2H: Eyeballing Normal
Response Sheet

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

What's normal?
The normal distribution
The mean and sd of it

(1) Which part of the normal curve changes when the value of the `mean` changes?

(2) Which part of the normal curve changes when the value of the `sd` changes?

Finding normal distributions

(3) Think about the `height` and `weight` variables. Based on what you know about these variables, which of the variables do you think have distributions that will look like the normal distribution?

(4) Make histograms of these variables. Which ones look like the normal distribution?

Using normal models
On your own

For each of the following, determine which, if any, appear to be normally distributed. Explain your reasoning:

- **(5) The difference in `percentages` between male and female survivors in a slasher film for 500 random shuffles.**

Name: _____   Date: _____

–   **(6) The difference in `median` fares between survivors and non-survivors on the Titanic for 500 random shuffles.**

–   **(7) The difference in `mean` fares between survivors and non-survivors on the Titanic for 500 random shuffles.**