Lab 2H - Eyeballing Normal

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

Which part of the normal curve changes when the value of the mean changes?

Which part of the normal curve changes when the value of the sd changes?

Based on what you know about these variables, which of the variables do you think have distributions that will look like the normal distribution?

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

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

The weight of people in our cdc data, faceted by gender.

The difference in mean weights between Males and Females for 500 random shuffles.

The difference in median weights between Males and Females for 500 random shuffles.