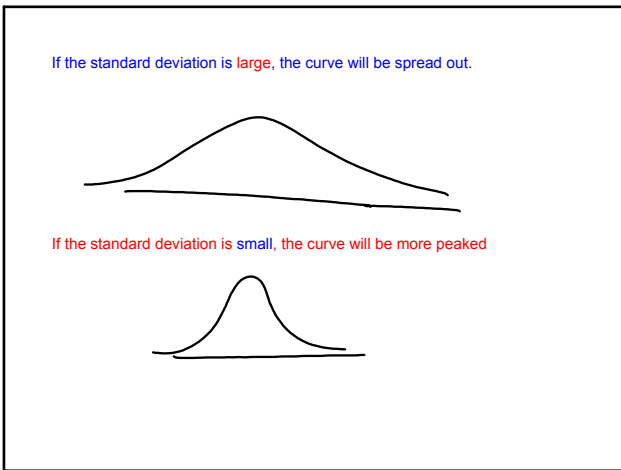


Jan 20-11:34 AM

Properties of a Normal Curve:

1. The curve is bell shaped with the highest point above the mean.
2. It is symmetrical about a vertical line through the mean
3. The curve approaches the horizontal axis but never crosses it.

Jan 26-8:36 AM



Jan 26-8:40 AM

The total area under the bell curve will always be 1.

The portion of the area under the curve in a given interval represents the probability that the measurement will lie in that area.

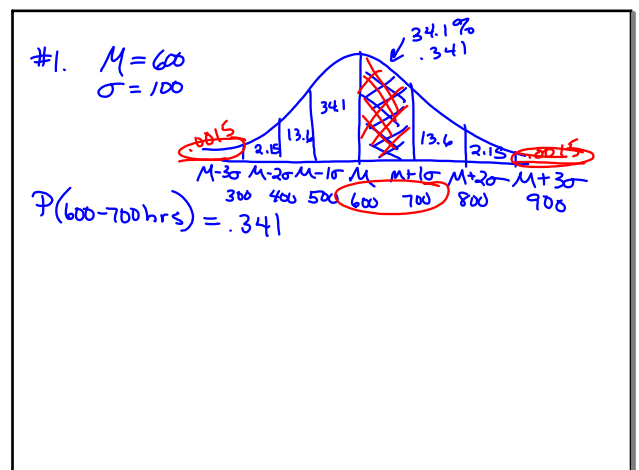
Jan 26-8:47 AM

Empirical Rule

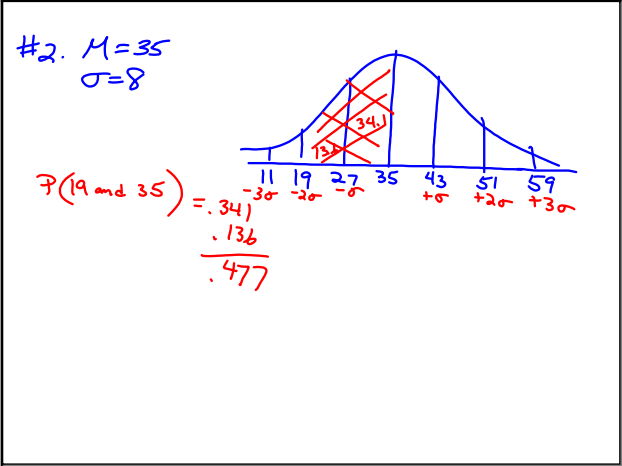
For a distribution that is symmetrical and bell shaped:

- Approximately 68% of the data values lie within one standard deviation on each side of the mean
- Approximately 95% of the data values lie within two standard deviations of the mean
- Approximately 99.7% (almost all) of the data values lie within three standard deviations of the mean

Jan 26-8:51 AM



Feb 4-8:44 AM



Feb 4-8:47 AM



Jan 18-9:14 AM