2/6/13 Classwork: The Normal Distribution WS

(Rember the important percents are 34.1%, 13.6%, 2.2% and 0.1%)

① ⓐ A set of normally distributed test scores has a mean of 73 and a standard deviation of 8. Sketch a normal curve for this data.

ⓑ What pecentage of the test score is above 81?

ⓒ What percentage of the test scores is between 65 and 89?

ⓓ What percentage of the test scores is within 2 standard deviations of the mean?

ⓔ What percentage of the test scores is within 2 standard deviations below the mean?

② A set of normally distributed data has a mean of -13 and a standard deviation of 13. Draw a normal curve.