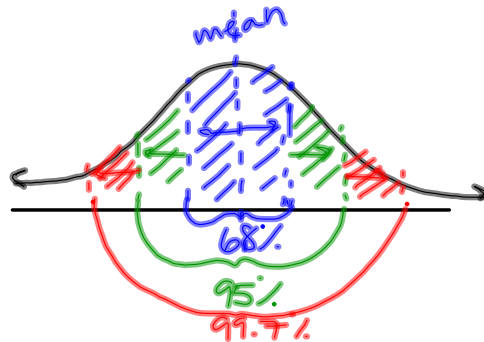


9.8 Continued

Normal Distribution/Normal Curve

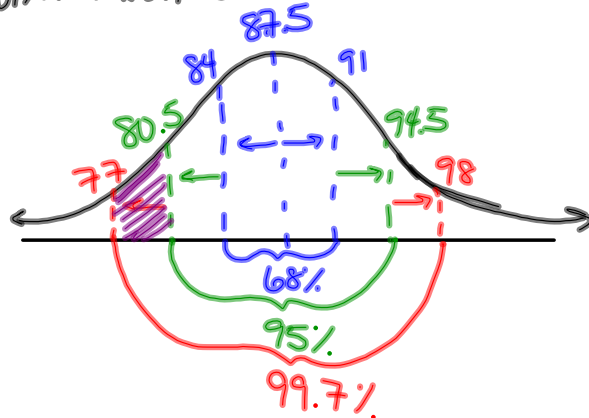


68 - 95 - 99.7 Rule

68% of data is within 1 standard dev of mean
 95% " " " " 2 " "
 99.7% " " " " 3 " "

Apr 25-7:56 AM

A set of data is normally distributed with mean = 87.5 and standard dev = 3.5



What % of students scored between 77 and 80.5?

$$\frac{99.7 - 95}{2} = \frac{4.7}{2} = 2.35$$

Apr 25-9:25 AM