b. SAT® scores have a normal distribution. The mean, median, and mode all equal 500 and the standard deviation is 100. Hence, approximately 68% of scores fall within one SD of the mean, between scores of 400 and 600, and only 2% of students score below 300 and only 2% score above 700.

c. IQ scores have a normal distribution. The mean, median and mode equal 100 and the standard deviation is 15. Approximately 68% of IQ scores are between 85 and 115, with only 2.5% of students scoring below 70 and only 2.5% scoring above 130.