

**Data and Chance notes**  
**Chapter 13**

Below are terms from the readings. Write definitions and examples in the spaces provided. Answer the questions where indicated.

**Chapter 13: Normal distributions**

Draw an example of a normal density curve.

List the properties of a normal curve. (One is it's symmetric.)

State the 68-95-99.7 Rule and draw a normal curve detailing the information.

How do you find a standard score? What does it tell you?

Give the definition of the  $c^{\text{th}}$  percentile, for instance the 80<sup>th</sup> percentile.

Give an example of a variable that is normally distributed. Why do we say it is normally distributed?