Normal Distribution

1. The following does NOT describe normal distribution:

a. If the data is normally distributed, the mean, median and mode are the same.
b. If the data is normally distributed, it usually but not always, forms a bell shape.
c. If the data is normally distributed, then half the data falls below the mean.
d. If the data is normally distributed, then half the data falls above the median.

2. Which of the following would not be expected to be normally distributed?

a. The weight of a newly born baby.
b. The number of minutes it takes a son to answer his mother's phone call.
c. The number of cookies in a 14 oz package.

3. If data is normally distributed, what percentage of data will fall within one standard deviation of the mean?

a. 10%
b. 68%
c. 50%