

A.P. Statistics
Assignment 1.10

1. I'm thinking about a density curve that consists of a straight line segment from the point $(0, 2/3)$ to the point $(1, 4/3)$ in the x - y plane.

a) Sketch this density curve on your paper. Describe your drawing below.

<type answer here>

b) What percent of the observations lie below $1/2$?

<type answer here>

c) What percent of the observations lie below 1 ?

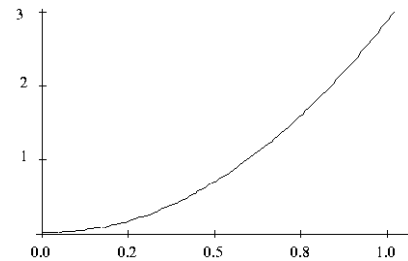
<type answer here>

d) What percent of the observations lie between $1/2$ and 1 ?

<type answer here>

2. For the density curve shown to the right, which statement is true?

- (a) The density curve is symmetric.
- (b) The density curve is skewed right.
- (c) The area under the curve between 0 and 1 is 1 .
- (d) The density curve is normal.
- (e) None of the above is correct.



3. For the density curve shown in question 2, which statement is true?

- (a) The mean and median are equal.
- (b) The mean is greater than the median.
- (c) The mean is less than the median.
- (d) The mean could be either greater than or less than the median.
- (e) None of the above is correct.