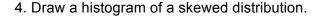
Psyc 3101, Homework 3

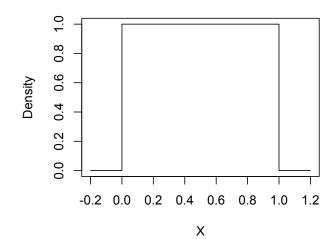
Name:	TA:	Lab Day and Time:

Please fill out all three lines above. Otherwise we can't easily record your scores.

This density plot shows a Uniform distribution. All scores between 0 and 1 are equally likely.

- 1. What proportion of scores are greater than .8?
- 2. What proportion of scores are less than .3?
- 3. What proportion of scores are between .45 and .65?





Write the measurement scale of each variable

- 5. Time it takes people to walk to school
- 6. People eat 5 cookies and rank them from favorite to least favorite.
- 7. You measure people's height using a ruler on a wall, and later you learn the ruler was too high (so that 0 was above the floor), but you don't know by how much.
- 8. Create a distribution that has mean > median > mode, and write the value of each of these statistics. If you need a starting point, begin with {1, 2, 3, 3, 4, 5}, which has mean = median = mode, and think of ways to change this by adding more scores.
- 9. Calculate the variance of the population {51, 56, 54, 57, 47}.
- 10. A population of 100 people has a standard deviation of 2. What's the sum of squares?