



4. What do the numbers in the second column approximate? Explain why this is so.

5. Press STAT-ENTER and enter your data in list 3. Press STAT-RIGHT ARROW-ENTER-2<sup>ND</sup>-3-ENTER to find the mean and standard deviation of your data.

$$\bar{x} = \underline{\hspace{2cm}} \quad S_x = \underline{\hspace{2cm}}$$

6. Press STAT-LEFT ARROW-2 to run a T-Test. Fill in your answers below.

$$H_0 : \underline{\hspace{2cm}} \quad H_A : \underline{\hspace{2cm}} \quad p = \underline{\hspace{2cm}}$$

7. Explain what this means.

8. Collect the means from the entire class. Find the average of these means.

9. Does this method give a good approximation of  $\pi$ ? Describe some of the weaknesses of this method.