

Name: _____

TAPE#4: NORMAL DISTRIBUTION

1. The Social Security System faces a huge problem as it moves in to 21st century. From the video we know that Sarah's husband paid into the System for 40 years but that her retirement is being paid for by today's workers. How many retirees will workers in the year 2025 support as compared to the workers of today and what kind of an increase is it?
2. Dr. Teresa Amabile discussed the smoothing of a histogram. What kind of a figure is resultant when a histogram smoothed and what is gained and lost in the process?
3. In a normal distribution three measures occur at a line in the center. What are the three measure?
4. What is the 68-95-99.7 rule?
5. Who are the Boston Beanstalks? What is the requirement for membership?
6. (a) What has been the approximate batting average for baseball players each year during the past 100 years? (b) What are the Z scores for Ty Cobb, Ted Williams, and George Brett? (c) What do these numbers mean?