

Calculus 111, Chapter 8.x & 8.y Summary ~ things you should know

notes by Tim Pilachowski

Chapter 8.x & 8.y - Important concepts:

sampling distribution

Central Limit Theorem

random variable defined as a proportion

margin of error

confidence level (% of certainty)

sample size

Be able to:

determine the expected value of a sample mean

calculate the standard error of a sampling distribution

calculate sample size needed to ensure given margin of error and confidence level

Review exercises from the text:

Central Limit Theorem Supplement page 7, #1 – 5

Appendix E pages 18-19, #1 – 6