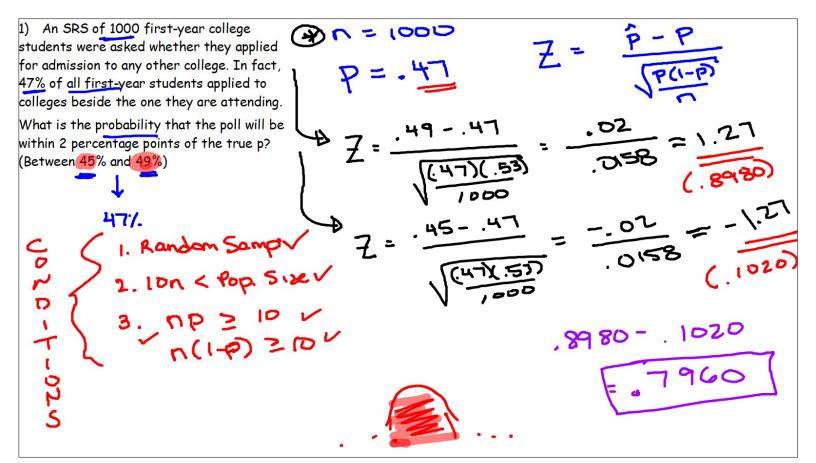
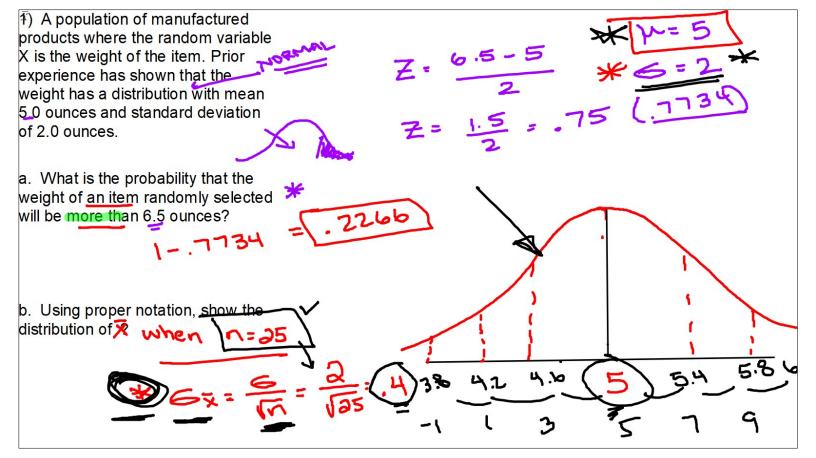
- 1) If out of 100 students surveyed at a school 46 of them said they like to watch the T.V show "Big Brother" what would be the value of p-hat, and is p-hat a statistic or a parameter?
- 2) Using the information from problem #3 what would be the approximate value of p and what would be the standard deviation of our sample proportion?

$$\hat{P} = \frac{40}{100} = \frac{40}{100$$





a. What is the probability that the average score for the 64 people will be more than
$$49.4?$$

$$Z = \frac{49.4 - 48.6}{55} = \frac{8}{.5}$$

$$Z = 1.60 \quad (.945a)$$

$$1 - .945a$$