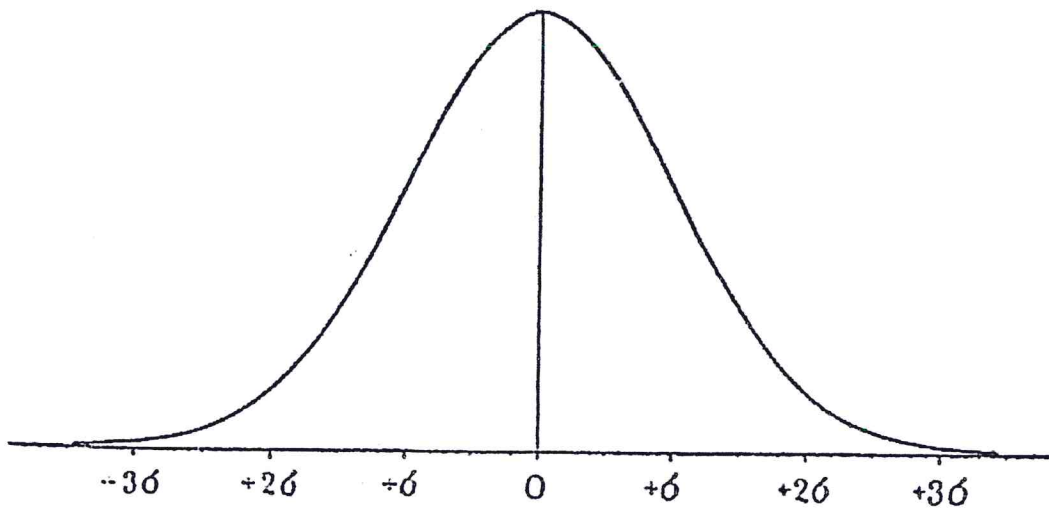


Review Ch 10

1. Fill in the percents for the normal bell curve below.



The average age of a person living in a particular retirement community is 78 years old, with a standard deviation of 4 years.

What is the probability that a randomly selected person in the retirement community is

2. Under 66?
3. Over 82?
4. Between the ages of 70 and 90?

5. What would I do if I was asked to find the probability of a number that was not one on a standard normal bell curve? What does that equation look like?

In a recent survey of 2200 randomly selected teenagers in the U.S., 92% said they had a cell phone.

6. Identify the population and the sample.

7. Find the margin of error for the survey.

8. What interval of all teenagers are likely to have a cell phone in the U.S.?

9. Asking listeners to a radio station to call in and give their opinion is an example of what kind of survey?

10. Asking students in your 1st period class for their opinion on what the theme for prom should be, is an example of what kind of survey?

11. Standing in the quad and asking every 4th person who walks by what their favorite band is, is an example of what kind of survey?

12. The following list of numbers are the scores on the last math test.

94 53 61 51 84 92 59 97 88 92 92 90 30
29 69 93 46 80 90 30 97 78 99 86 98 71

What was the class average? What was the standard deviation?

The table shows results from 2 different randomized comparative experiments.

Control Group 58 60 61 65 57 55 62 61 60 57 63 62

Treatment Group 51 58 55 61 50 55 60 58 54 51 54 56

13. Find the mean score of the control group.

14. Find the mean score of the treatment group.

15. Find the experimental difference of the means.

16. Display the data in a double dot plot.

17. What can you conclude?