

Homework Solutions

Chapter 10 – Page 647

Exercise 23

The sample mean must be the midpoint of the confidence interval, so the mean is $\bar{x} = \frac{44.2 + 54.2}{2} = 49.2$. Then the margin of error is distance from the midpoint to one end of the interval, so it is $49.2 - 44.2 = 5.0$.