

Problem Set 8

Exercise	Modification or comments
6.60	Change the mean to \$105 and the standard deviation to \$18
6.64	Change the standard deviation to .10 and change the proportion that contain at least 64 ounces from 95% to 99%
7.12	
7.14a	Change the sample size to 25
7.20	Change 2300 and 450 to 2200 and 300 respectively
7.36	Change 133 and 24 to 147 and 22 respectively
7.44a	Change 75 and 14 to 74 and 13 respectively
7.44b	Same change as in 7.44a
7.48a	Change 46 and 3 to 48 and 4 respectively
7.59	Change the standard deviation from .1 to .08 Compute the probability that the sample mean is either less than 2.95 or more than 3.05; this is the probability that the test indicates that the machine needs adjustment when in fact it does not.