

1) $z = \pm 1.44$

2) ME = 21.85 grams, \bar{x} = 61.25 grams

3) We are 90% confident that the average number of plants for all West Covina houses is between 5.50 and 9.65 plants.

4) We are 99% confident that the average number of cars owned by all households of North Verdes is between 2.70 and 3.48 cars.

5a) We are 95% confident that the average money spent by all 3/26 Sac FM customers is between \$42.80 and \$54.20.

b) We would need about 390 customers in the survey.