Unit 6 Discussion Example – Post 1: Initial Thread

Can You Hear Me Now?

a) The distance from Cedar Park, TX to Austin, TX is 20.2 miles.

b) The population of Cedar Park is 75,704.

   The population of Austin is 950,715.

c) The average number of phone calls can be calculated using d = 20.2, P_1 = 75,704, P_2 = 950,715

$$C = \frac{0.02 P_1 P_2}{d^2}$$

$$C = \frac{(0.02)(75,704)(950,715)}{20.2^2}$$

$$C = \frac{1,439,458,567.2}{408.04}$$

$$C = 3,527,738.8668$$

The average number of calls between Cedar Park, TX and Austin, TX is about 3,527,739 calls.