

The daily useage time on the Apple iPhone is normally distributed with mean 5.4 hours and standard deviation 1.2 hours. What proportion of iPhone owners use their iPhone for more than 6 hours in a day? Round your answer to three decimal places.

$$P(X>6) = normalcdf(6, 1E99, 5.4, 1.2) = 0.309$$

Question 3

iPhone owners use their iPhone between 4 and 7 hours in a day? Round your answer to three decimal places.

$$\mu = 5.4$$
; $\sigma = 1.2$

$$P(4 < X < 7) = normalpdf(4, 7, 5.4, 1.2) = 0.787$$

Question 4

1 points

1 points

The daily useage time on the Apple iPhone is normally distributed with mean 5.4 hours and standard deviation 1.2 hours. What proportion of iPhone owners use their iPhone for less than 3 hours in a day? Round your answer to three decimal places.

The daily useage time on the Apple iPhone is normally distributed with mean 5.4 hours and standard deviation 1.2 hours. What proportion of

P(X(3) = normalcdf(1E99, 3, 5.4, 1.2) = 0.0228

Question 5

Save Answe

1 points The daily useage time on the Apple iPhone is normally distributed with mean 5.4 hours and standard deviation 1.2 hours. Suppose you survey 3 of your friends who have iPhones. What is the probability that their mean useage time is less than 4 hours? Round your answer to three decimal places.

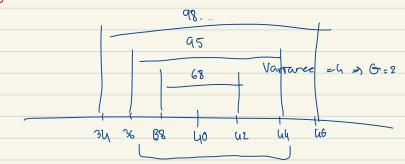
$$P(X < I_1) = 0.000001cdf(1F99 I_1 51, 19.1/13) = 0.094$$

$$P(\bar{X}_{n=3} < L) = normalcdf(_1E99, L, 5.L, 1.2/13) = 0.0217$$

The daily useage time on the Apple iPhone is normally distributed with mean 5.4 hours and standard deviation 1.2 hours. Suppose you survey 5 of your friends who have iPhones. What is the probability that the sum of their useage times is less than 30 hours? Round your answer to three decimal places.

$$n = 5$$
 , $\mu = 5.4$ $\sigma = 1.2$

$$P(X_{1}+X_{2}+X_{3}+X_{4}+X_{5}) = P(X_{5}<6) = normalcodf(-1699, 6, 3.4, 1.2/15) = 0.868$$



Question 10

The daily useage time on the Apple iPhone is normally distributed with mean 5.4 hours and standard deviation 1.2 hours. How many hours corresponds to the top 10% of iPhone useage times? Round your answer to ONE decimal place. Type only the number, and NOT the word "hours".

1 points

1 points

1 points

Save

Save Ans

$$\mu = 5.4$$
; $0 = 1.2$; $p = 0.1 \Rightarrow 90^{th}$ percentile

0.9 - P(X < 96 999)

Question 12

Question 11

X = InvNorm(0.25, 5.4, 1.2, left) = 4.6

The daily useage time on the Apple iPhone is normally distributed with mean 5.4 hours and standard deviation 1.2 hours. How many hours corresponds to the lower 10% of iPhone useage times? Round your answer to ONE decimal place. Type only the number, and NOT the word "hours". X = InvNorm(0.1, 5.4, 1.2, left) = 3.9

The daily useage time on the Apple iPhone is normally distributed with mean 5.4 hours and standard deviation 1.2 hours. How many hours corresponds to the 25th percentile? Round your answer to ONE decimal place. Type only the number, and NOT the word "hours".