edX

Question 4

Question 4

Suppose that hours of sleep per night for single adults between 30 and 40 years of age are normally distributed with a mean of 6.7 hours and a standard deviation of 1.1 hours.

problem

3/3 points (graded)

4a. If an adult has a z-score of -1.5, how many hours of sleep does this person get per night? *(Report to 2 decimal places.)*
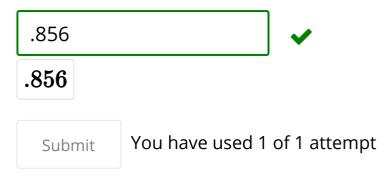
    5.05   ✔

    5.05

4b. What proportion of adults sleep longer than 4.5 hours per night? *(Report to 3 decimal places.)*

    .977   ✔

.977

4c. What proportion of adults sleep between 5.38 and 8.79 hours of sleep? *(Report to 3 decimal places.)*

.856   ✓

.856

Submit   You have used 1 of 1 attempt