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**.

(3/3 points)

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.)*

0.977

0.977

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

Help

0.856

0.856

Check Show Answer

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