



1/1 point

1/1 point

2. A test is administered annually. The test has a mean score of 150 and a standard deviation of 20. If Chioma's z-score is 1.50, what was her score on the test? 180 O 150 O 30 O 130 O Correct Correct!

3. If a negatively skewed distribution (i.e. skewed to the left) has a median of 50, which of the following statements are true? (Select all that apply) Mean is less than 50 Correct! Mean tends to move towards the tail of the data and mode does the opposite Mode is greater than 50

Correct! Mean tends to move towards the tail of the data and mode does the opposite

☐ None of the above Mean is greater than 50

4.	What is the probability of getting two heads when two coins are flipped?	1/1 point
5.	The probability of getting a double by rolling TWO six-sided dice (with sides labeled as 1, 2, 3, 4, 5, 6) is:  1/6 2/36 1 1/36 Correct Correctl	1/1 point
6.	What is the area under a conditional Cumulative Density Function?  0 0.5  1 2  Correct Correct The area under a Cumulative Density Function is calculated by adding the individual probabilities. This must always be equal to 1	1/1 point
7.	Which of the following is a possible alternative hypothesis H1 for a two-tailed test.   μ is equal to 85  μ is greater than 85  μ is not equal to 85  μ is less than 85  Correct Correctl	1/1 point
8.	Green sea turtles have normally distributed weights, measured in kilograms, with a mean of 134.5 and a variance of 49.0.  A particular green sea turtle's weight has a z-score of -2.4. What is the weight of this green sea turtle? Round to the nearest whole number.  151kg  17kg  252kg  118kg	1/1 point

<ol> <li>A normal distribution can best be described as which of the following? (Select all that apply)</li> </ol>	1 / 1 poin
Symmetric Symmetric	
⊘ correct Correct!	
✓ Bell-shaped	
⊘ correct Correct!	
Skewed	
Uniform	
10. In its standardized form, the normal distribution	1/1 poir
has an area equal to 0.5.	
has a mean of 1 and a variance of 0.	
<ul> <li>cannot be used to approximate discrete probability distributions.</li> </ul>	
<ul> <li>has a mean of 0 and a standard deviation of 1.</li> </ul>	
© correct	