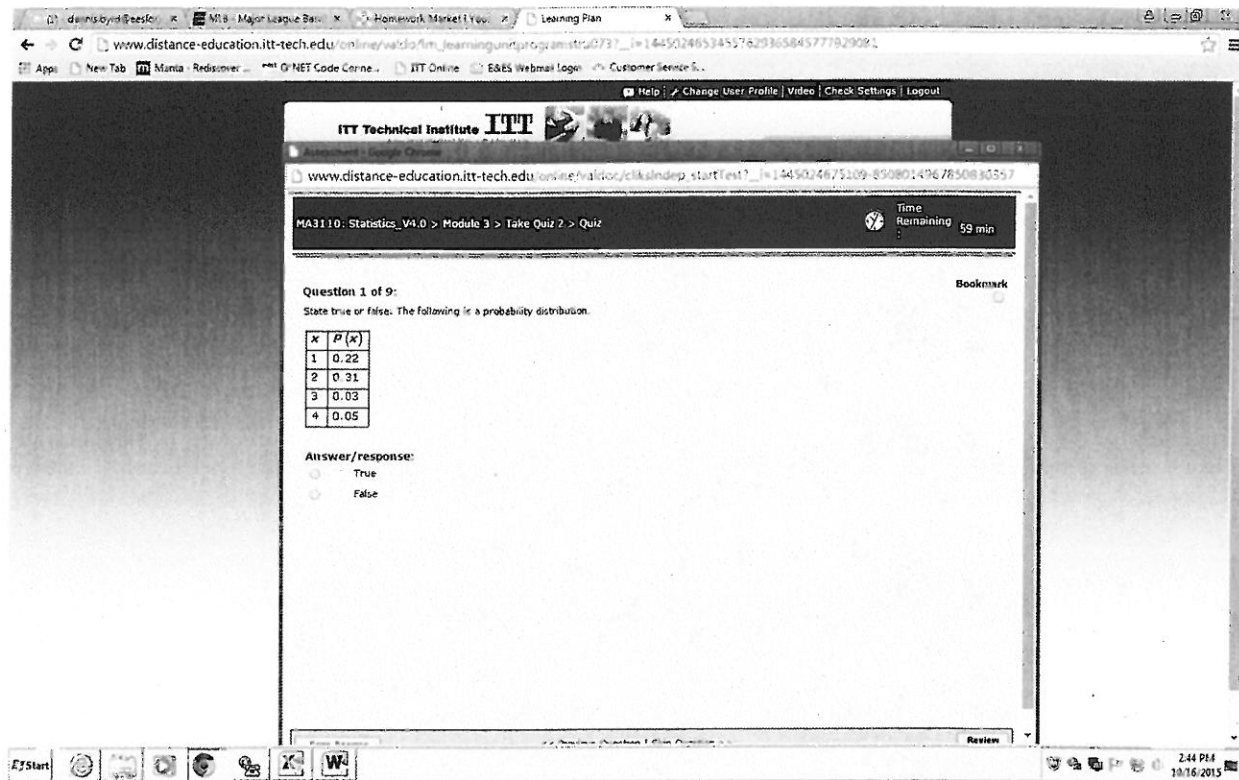
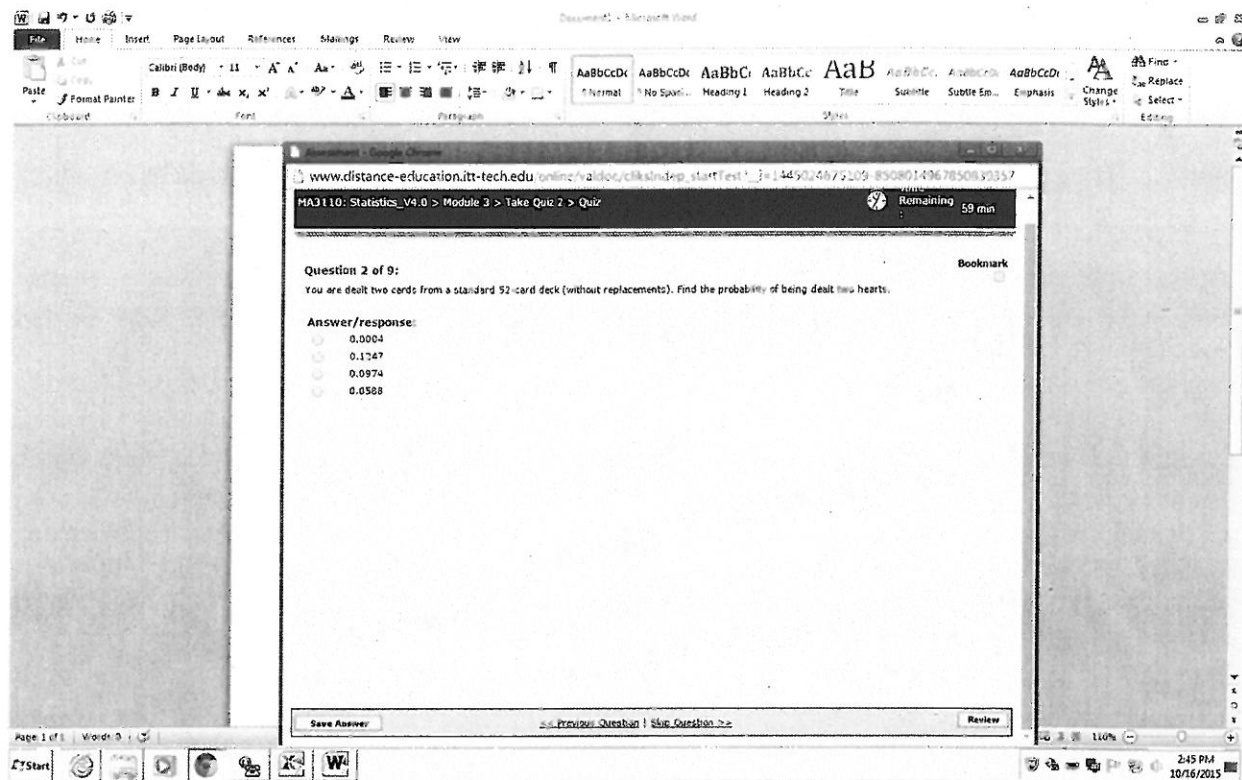




State true or false: The following is



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MA3110: Statistics_V4.0 > Module 3 > Take Quiz 7 > Quiz

Time Remaining 58 min

Question 3 of 9: Bookmark

Suppose you randomly select a family with three children. Assume that the birth of boys and girls are equal. The possible results are shown below (G represents a girl and B represents a boy).

GGG GGB GBB GBG BGG BBG BGB BBB

What is the probability that a random couple with three children will have exactly one boy?

Answer/response:

☐ 0.5

☐ 0.25

☐ 0.125

☐ 0.375

Save Answer << Previous Question | Skip Question >> Review

Page 1 of 1 Words: 0

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MA3110: Statistics_V4.0 > Module 3 > Take Quiz 2 > Quiz

Remaining 56 min

Question 4 of 9:

A basketball player who consistently makes 23% of free throws is asked to shoot 20 free throws and count the number of free throws that go in. What is the probability that the player will make exactly five of the free throws? That is, find $P(5)$ given that $n=20$, $p=0.23$, and $q=0.77$.

Answer/response:

- ☐ 0.1979
- ☐ 0.1742
- ☐ 0.2678
- ☐ 0.20

Save Answer Previous Question Skip Question Review

Page 1 of 1 Words: 9

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MA3110: Statistics_V4.0 > Module 3 > Take Quiz 2 > Quiz

Remaining 57 min

Question 6 of 9: Bookmark

The graph depicts the standard normal distribution with mean 0 and standard deviation of 1. Find the area of the shaded region.

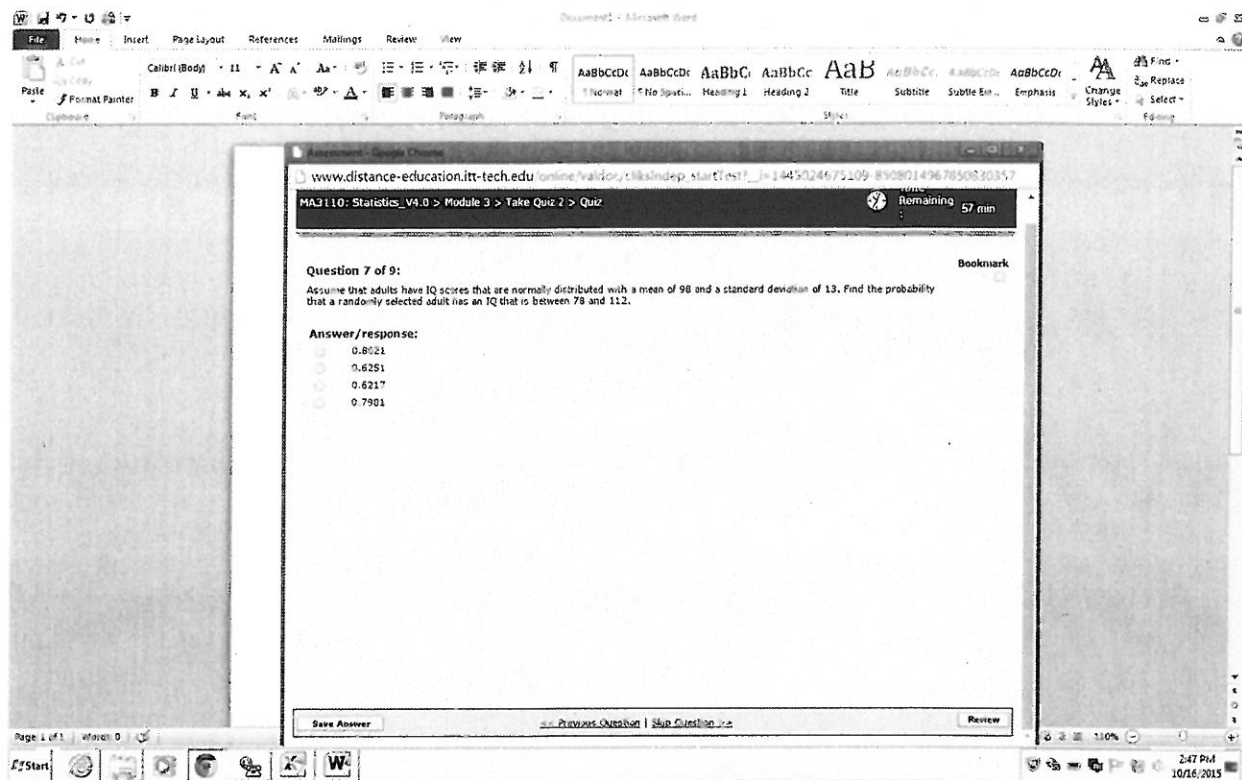


Answer/response:

☐ 0.0472
☐ 0.2061
☐ 0.0044
☐ 0.0322

Save Answer Review

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MA3110: Statistics_V4.0 > Module 3 > Take Quiz 2 > Quiz

Time Remaining 57 min

Question 8 of 9: Bookmark

If you observe the values of a normally distributed variable for a sample, a normal probability plot should be roughly _____.

Answer/response:

- ☐ Discrete
- ☐ Linear
- ☐ Continuous
- ☐ Non-linear

Save Answer < Previous Question Skip Question >

Page 1 of 1 Words: 0

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