Assignment 1

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-08-14, 23:59 IST.

1) Genichi Taguchi related quality loss to:
   - loss of customer
   - loss of manufacturer
   - loss of society
   - all of these

No, the answer is incorrect.
Score: 0
Accepted Answers: all of these

2) What is the mean and standard deviation for the following data?
   \[ 1, 2, 3, 4, 2, 3, 4 \]

   - \( \mu = 2.89 \)
   - \( \sigma = 0.98 \)
   - \( \mu = 3, \sigma = 1.82 \)
   - \( \mu = 2, \sigma = 1.82 \)

No, the answer is incorrect.
Score: 0
Accepted Answers: 2, 0.89

3) Which type of uncertainty presents itself in ‘flipping a fair coin’?
   - Epistemic
   - Aleatoric
   - Both are
   - None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers: Aleatoric

4) If the mean of diameters of a ring is 2.5cm with standard deviation of 0.05cm. What will be the corresponding Z score for the ring with diameter 3?
   - 10
   - 15
   - 10
   - 50

No, the answer is incorrect.
Score: 0
Accepted Answers: 10

5) Process A for manufacturing piston rings is not a 6-sigma process currently. Company wants to make it a 6-sigma process with the same limits of tolerances. Then, the company should _____ standard deviation of the process.
   - Decrease
   - Increase
   - Maintain the same
   - Need more data

No, the answer is incorrect.
Score: 0
Accepted Answers: Decrease