1. Length of the component represented by the random variable X known continuous uniform distribution with a lower limit of 1 cm and the upper limit of 5 cm. What is the probability that the length of the component is less than 3 cm?

2. Variable X normal distribution with a mean of 50 and standard deviation = 10. Find the probability of X is between 45 and 62?

3. Based on the research results, given that the security of energy saving lamps with normal distribution, the mean is 72 days, with a standard deviation 8 days. If taken by random, calculate the probability of resilience a lamp, where:
   • Lighted between 63-78 days
   • Turns on more than 82 days
   • Lighted less than 70 days

4. From the delivery of 1,000 reams of newsprint weighing 60 grams is known that, the mean each filled with a ream of 450 sheets with a standard deviation of 10 sheets. If the distribution amount per ream of paper that can be approximated by a normal curve, what percentage of reams of paper filled with over 455 pieces or more?

5. Mean of Newborn weight are 3750 grams with a standard deviation of 325 grams. If the weight of the baby normally distributed, then specify:
   a. How many% of babies weighing over 4500 grams,
   b. How many babies weighing between 3500 grams to 4500 grams, if all there were 10,000 babies
c. How many babies who weighed less than or equal to 4000 grams if all of them there are 10,000 babies?

d. How many babies who weighed 4250 grams if everything was 5000 baby?

NO PLAGIARMS

PLAGIATOR, SCORE = 0 !!