

Preview Test: Quiz 1

Test Information

Description

Instructions

Multiple Attempts Not allowed. This test can only be taken once.

Force Completion This test can be saved and resumed later.

Question Completion Status:

QUESTION 1**1 points**

Save Answer

 p_k for $k \geq 0$ is a member of the class $C(a,b,0)$ of distributions such that

$$\frac{p_2}{p_1} = \frac{5}{3} \text{ and } p_3 = p_2. \text{ Find the parameter } b \text{ (Use 5 digit after dot.)}$$

QUESTION 2**1 points**

Save Answer

 p_k for $k \geq 0$ is a member of the class $C(a,b,0)$ of distributions such that

$$\frac{p_2}{p_1} = \frac{5}{3} \text{ and } p_2 = p_3. \text{ Find the parameter } a \text{ (Use 5 digit after dot.)}$$

QUESTION 3**1 points**

Save Answer

Find p_0 for the previous class $C(a,b,0)$ keep 5 digits after dot.

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

The number of dental claims in a year follows a Poisson distribution with a mean of λ . The probability of exactly six claims during a year is $5/6$ of the probability that there will be exactly 5 claims. Determine the probability that there will be exactly 4 claims

QUESTION 5**1 points**

Save Answer

Question Completion Status:

The distribution p^* is

- A geometric distribution with initial parameter $1/3$
- A geometric distribution with initial parameter $1/6$
- a modified geometric distribution with initial parameter $1/2$
- a zero-modified geometric distribution with parameter $1/2$

Click Save and Submit to save and submit. Click Save All Answers to save all answers.