**Lab sheet 6**

Exercise:

1.

1. What is the distribution of X?

* Binomial.

ii. What is the probability that at least 47 students passed the test?

A math equation with blue and purple text

AI-generated content may be incorrect.

A black text with blue letters

AI-generated content may be incorrect.

2. A call center receives an average of 12 customer calls per hour.

1. What is the random variable (X) for the problem?

* Number of customer calls per hour.

1. What is the distribution of X?

* Poisson distribution.



1. What is the probability that exactly 15 calls are received in an hour?

A number on a white background

AI-generated content may be incorrect.

A white background with black and white clouds

AI-generated content may be incorrect.