MATH 341 Minitab Demonstration -- Lab 3 M. Blanco

Binomial distribution with *n*=20, and *π* = 0.85.



Probability *P*(15≤y≤18) = *P*(15) + *P*(16) + *P*(17) + *P*(18) = 0.7571



1. Telephone calls enter a college switchboard on the average of 2 every 3 minutes. What is the probability of 5 or more calls arriving in a 9-minute period? λ = E(X) = (2/3) × 9 = 6 P(X ≥ 5) = 0.7149



1. Monthly sales figures for a particular food industry tend to be normally distributed with mean of 150 (thousand dollars) and a standard deviation of 35 (thousand dollars). What is the probability that monthly sales is between 100 (thousand dollars) and 200 (thousand dollars)? *P*(100≤ Sales ≤200) = 0.8469

