

D116 Quiz 4

Name: _____

1. For a Bernoulli trial with the probability of success equal to $p = 0.3$, find the probability that exactly 2 successes are obtained in 5 trials. You just need to write down the formula.

Solution:

$$\begin{aligned}\Pr[\text{exactly 2 successes}] &= C(5, 2)(0.3)^2(0.7)^3 \\ &= 10 \times (0.09) \times (0.343) \\ &= 0.3087.\end{aligned}$$

◇ END OF QUIZ ◇