**Quiz #9**

A graph with lines and numbers

AI-generated content may be incorrect.

The figure above shows the PMF for a Binomial(n=10,p=0.7) variable.

Imagine a fictional butterfly population, where 70% of individuals have red wings and 30% have blue wings. You randomly catch 10 butterflies.

**What’s the expected number of red-winged butterflies in your sample?**

**What’s the probability at least nine butterflies have red wings?**