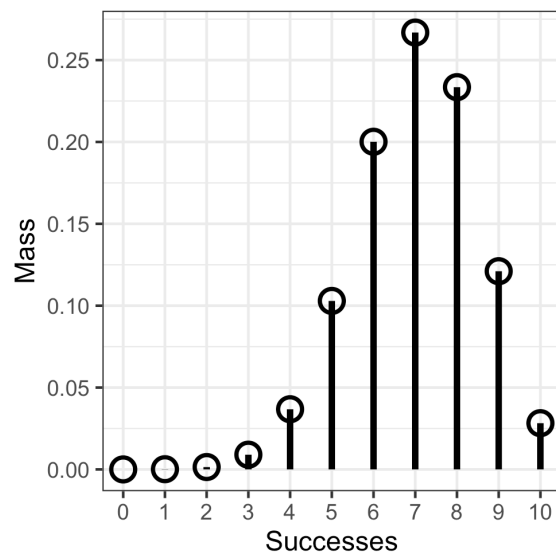


Name:

Date:

Quiz #9



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?

7

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

0.15