① Compare & contrast the binomial and negative binomial distributions,
→ how are they alike, how do the differ?
Be precise and concise!
② Compare and contrast the binomial and hypergeometric distributions.

① neg binom

$$P(\bar{X}=7) = b^*(7; 4, 0.72) = B^*(7; 4, 0.72) - B^*(6; 4, 0.72)$$

② binom

$$P(\bar{X}=5) = b(5; 1000, 0.07) = B(5 \quad) - B(4 \quad)$$

③ hyper

$$P(\bar{X}=4) = h(4; 8, 11, 27)$$

$$b^*(9; 2, \quad)$$

$$b(4; 10, 0.25)$$

$$b^*(9; 2$$

$$9? \qquad \sigma = 10$$