3) Let X = the number of patrons showing up (out of 20 vesernatums)

X ~ bin (n = 20, p = .9)

P(X > 18) = P(X=19) + P(X=20)

 $= \binom{20}{19} \binom{19}{(.1)} + \binom{20}{20} \binom{9}{(.1)}^{0}$ = .27 + .12 = (.39)