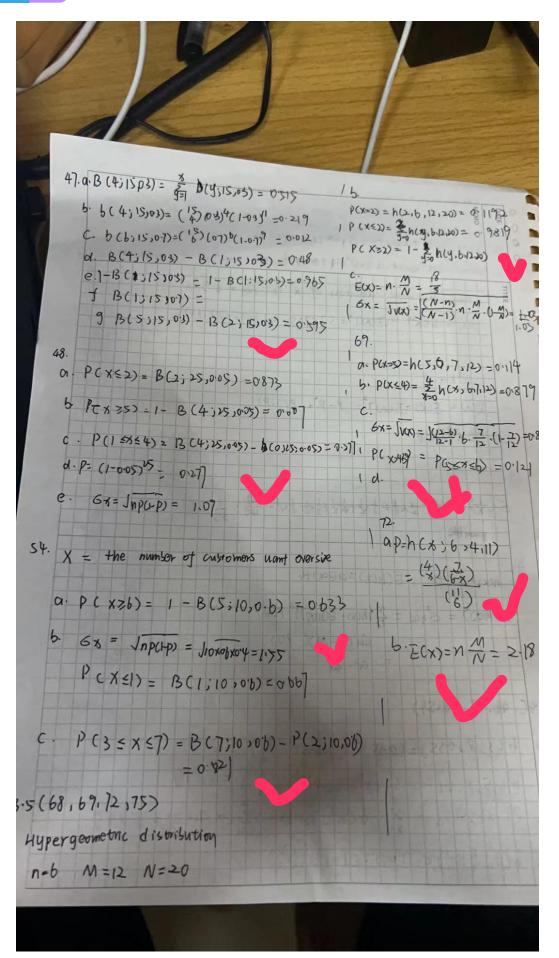
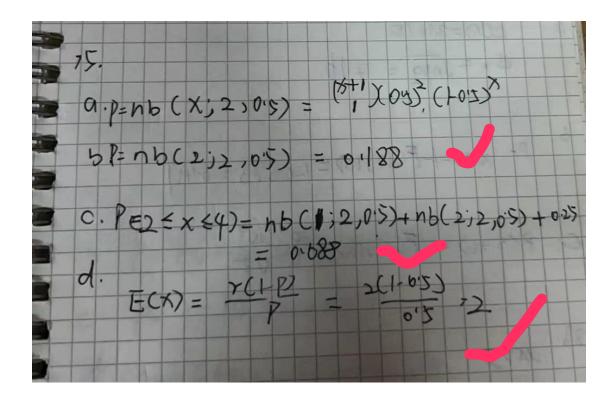


```
3.3 (29.33,38,41)
               a. ECX) = 1x005 + 2x01+4x035+8x04+16x0]=645
               b. V(x)=(1-645) x005+ (2-645) x01+(4-6-75) x05+ (8+45) x0.4+(16+45) x01=15.6475
              C. The standard deviation of x is vis = 3.956
               d. VXX = ECX) - (EXX) = 57.5725 - 41.6025 = 15.6475
               a. E(x2) = P
           6. V(x) = E(x) ] = P-P' = P(1-P)
          C. E(X79) = P
          38.
                E (+)= 1x6+ = x6+ 
         41. h(x) = ax+b , E(h(x)=a=x)+6
                   V(how) = 3how = 5thow- E(how) 12. POW
                                                                                    = in(x-m) P(x)
= a2. 6x
   3-46 46.47,48.54)
     a. b(3;8,035)=(035)3.(1-035)5(83)=0279
    b b (5;8,0·b) = (0·b)5. (1-0·b)3 (8) = 0·279
 C. P( $555) } { b(x >7,0.6) - = (x>7,0.6) = 0.745
d. b(1;9,01) = (01). (1-01)8 (9) = 0.613
```











Q + - P(8;5) - P(5;5)
84. n= 10000, P=0.001 50 m = np = 10
$-\alpha \cdot C(x) = u = 10$ $6x = Jnpq = 3.10$
6. Pe xH0=1-PC10;10)=1-0.583=0.41]
C; PCS=0> = PCO;10> = -1010°
8b. W22
a.P=FC4)5>-FO;5>.
b. P= FC435) 1- FC3;5)=0735
C. U. 6 = 3.75



