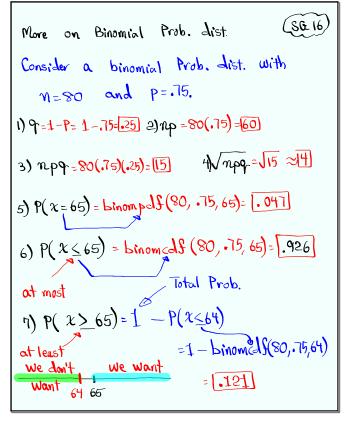


Feb 19-8:47 AM



Oct 17-8:52 AM

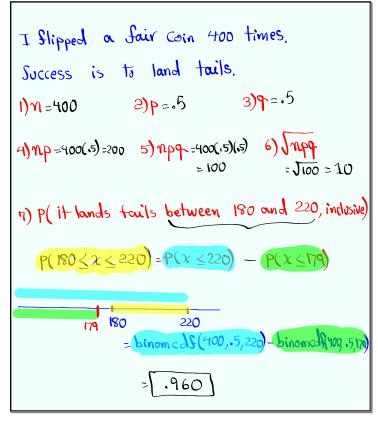
```
If his a loaded coin is P(Tails) = .6 for this a loaded coin is P(Tails) = .6 for this and P(Tails) = .6 for the ship.

In =100 2) P = .6 3) P = .4

In P(Tails) = .6 3) P = .4

In P(Tails) = .6 for this in P(Tails) = .6 for this in P(Tails) = .6 for the ship is P(
```

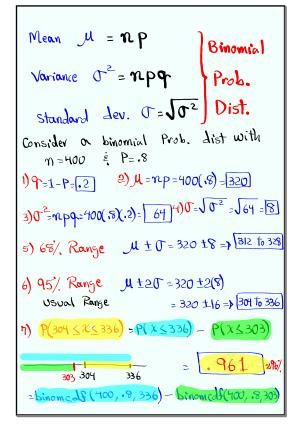
Oct 17-9:03 AM



Oct 17-9:13 AM

```
You are taking a multiple-choice exam
 with 80 questions.
Each question has 5 choices but only one
 Correct choice.
 You are making random guesses.
 Success is to guess correctly.
               2) = \frac{1}{5} = .2 3) = \frac{4}{5} = .8
1)~ =80
                             6) Vnpg
               5) npg
4) 20-80(2)
                 -80(.2)(.8)
                               = $128 =3.6
      -16
                   = 12.8
                              Round to
7) P(we guess between 10 and 20 correct
         answers, inclusive)
 P(10 < x \le 20) = P(x \le 20) - P(x \le 9)
                     Reduce by 1
             20
       9 10
   = binomcdf(80, .2,20) - binomcdf(80,.2,9)
                        - 865
```

Oct 17-9:22 AM



Oct 17-9:30 AM

```
Prob. of Success in a binomial Prob.
 dist. is .4.
 Consider 125 trials
1)n=125 2) P=.4 3)9=.6
                  5) U_5^* vbd
                                  6) T= JO2
4) M=np=125(.4)
                      =125(.4)(.6)
                                      = 130
        =50
                       -[30]
                                      \approx 5.5
7) Usual Range
                  M ±20 =50 ±2(5.5)
    95%, Range
                             =50 ± 11
                             => 39 to 61
8) P(39 \le x \le 61) = P(x \le 61) - P(x \le 38)
                     = binomcdf (125, .4, 61)
      38 39
                 61 _ binomcdf(125, .4, 38)
Reduce by 1 _ ____
```

Oct 17-9:44 AM