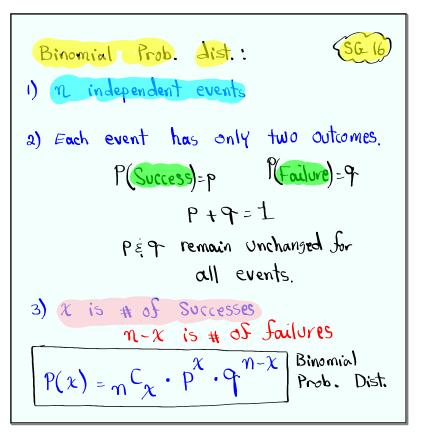


Feb 19-8:47 AM



Oct 16-8:48 AM

Suppose we have a binomial Prob. dist

with 
$$n=8$$
,  $P=.3$ ,  $9=1-P$ 

with  $1=8$ ,  $1=8$ 

find  $1=8$ 
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Oct 16-8:54 AM

I Slip a Fair Coin 10 times.

N=10

Sind P(exactly 4 Tails) P=.5

P(x=4) = 
$$10^{C_4} \cdot (.5)^4 \cdot (.5)^6 = .205$$

P(x)= $10^{C_4} \cdot (.5)^4 \cdot (.5)^6 = .205$ 

P(x)= $10^{C_4} \cdot (.5)^4 \cdot (.5)^6 = .205$ 

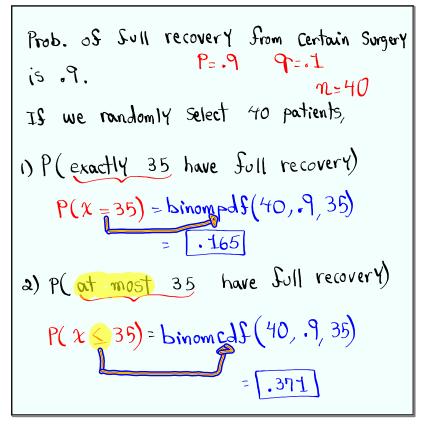
Find P(exactly 3 tails)

P(x=3) =  $10^{C_3} \cdot (.5)^3 \cdot (.5)^7 = .117$ 

Oct 16-9:01 AM

```
You are taking a quiz with 12 questions
 All questions are multiple-Choice.
 Each question has 4 choices but only
 lone Correct choice, P= 1/4=.25 9=3/4=.75
 You are making random guesses.
 P(exactly 5 Correct answers)
 P(x=5) = 12^{C_5} \cdot (.25)^{\frac{5}{2}} \cdot (.75)^{\frac{7}{2}} = 103
\pi^{C_{\chi}} \cdot \beta^{\chi} \cdot \beta^{\frac{4}{2}} \cdot \beta^{\frac{4}{2}} \cdot \beta^{\frac{1}{2}} \cdot \beta^{\frac{1}{2}} = 103
 Now using TI Command
2nd VARS & binompdf
                           MenU
                                           1 No Menu
                                              \frac{n}{12}, \frac{p}{.25}, 5
                      n →Trials: 12
                                P:.25
P(x=5)=
                                                 \chi \cdot 5
                                                Enter
binompds(12,.25,5)
                            Paste
                               Enter
       - 103
```

Oct 16-9:08 AM

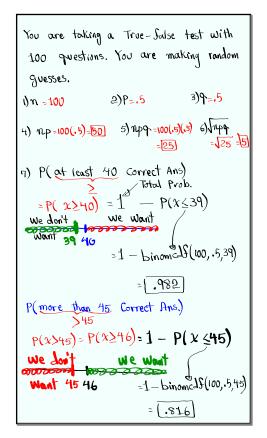


Oct 16-9:19 AM

You Slip a Coin 100 times

$$M = 100$$
 $P(Tails) = .6$ 
 $P = .6$ 

Oct 16-9:27 AM



Oct 16-9:45 AM