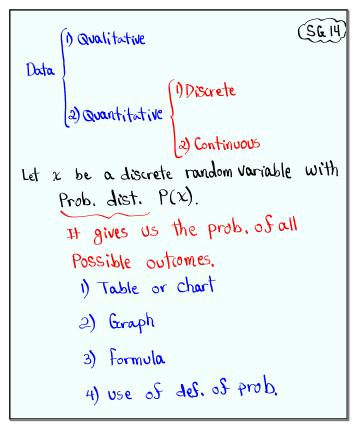
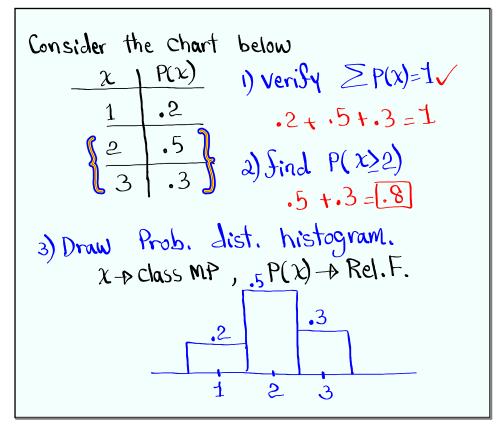


Feb 19-8:47 AM



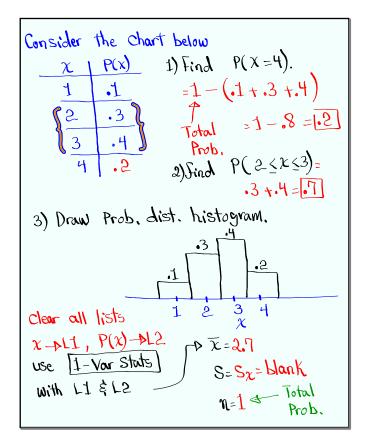
Oct 20-5:09 PM



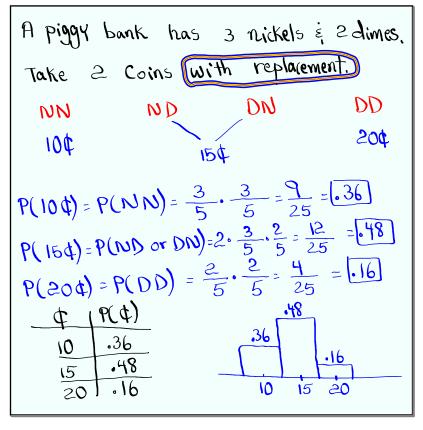
Oct 20-5:13 PM

Some rules

- $0 \le P(x) \le 1$
- a) $\geq P(x)=1$
- 3) P(x) = 1 Sure event
- 4) P(x)=0 4 Tompossible event
- 5) 0 < P(x) < .05 A Rare event



Oct 20-5:21 PM

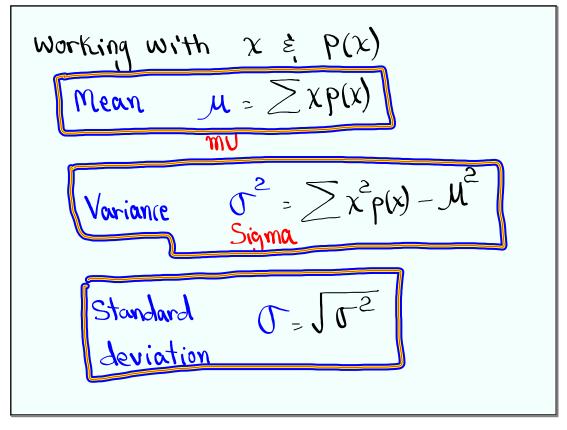


$$\frac{d}{d} = \frac{P(d)}{10} + \frac{1}{36}$$

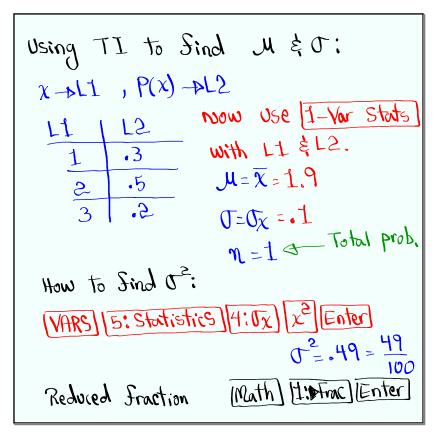
$$\frac{10}{15} = \frac{36}{148} = \frac{1}{12} = \frac{1}{12}$$

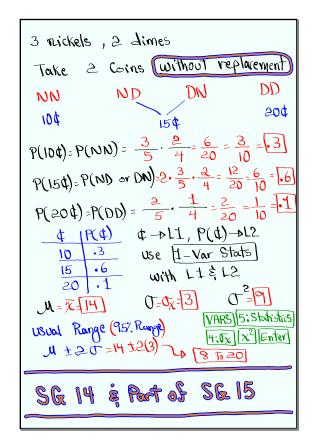
$$\frac{10}{15} = \frac{1}{12} = \frac$$

Oct 20-5:37 PM

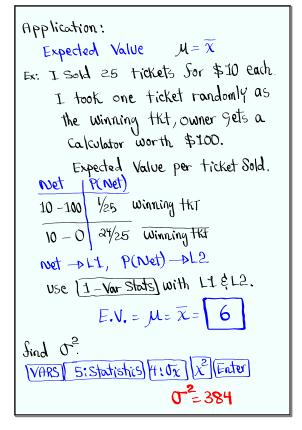


Oct 20-5:44 PM





Oct 20-5:58 PM



Oct 20-6:18 PM

```
You buy an insurance policy for $100

For Your luggage.

Policy pays $1000 is any damages.

Prob. of any damage is .5%.

Find expected Value per policy Sold.

Net | P(Net) | Net -> LI

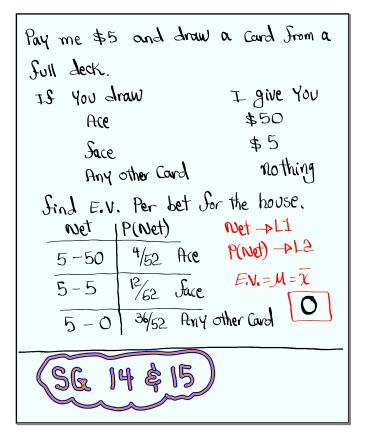
100-1000 .5%=.005 damage | P(Net) -> L2

100-0 .995 damage | E.V.= M=X

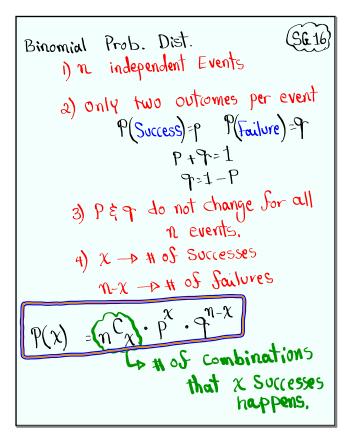
Use | I-Vor Stats|

Sind or | 4975
```

Oct 20-6:27 PM



Oct 20-6:34 PM



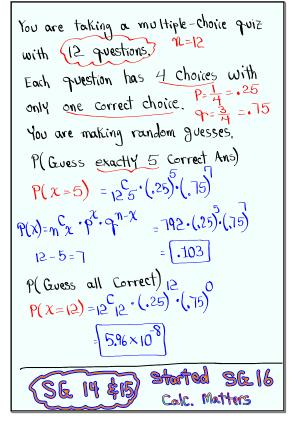
Oct 20-6:41 PM

Consider a binomial prob. dist. with
$$N = 8$$
 and $P = .6$.
Sind $P(x = 3) = 8 \cdot 3 \cdot (.6) \cdot (.4)$
 $P(x) = n^{C}x \cdot p^{X} \cdot q^{N-X}$
 $P(x) = n^{C}x \cdot p^{X} \cdot q^{N-X}$
 $n - x = 8 - 3 = 5$
 $q = 1 - P = 1 - .6 = .4$
8 Math \rightarrow PRB \rightarrow RB \rightarrow RB

I flip a Sair Coin 10 times,
Sind the prob. that we get 6 tails.

$$n=10$$
 $P=.5$, $q=.5$ $x=6$
 $P(x=6) = 106$ $(.5)^6 \cdot (.5)^4$ $n-x=4$
 $P(x) = n^{2}x \cdot p^{2} \cdot q^{n-x}$ = .205

Oct 20-6:53 PM



Oct 20-6:58 PM