

DXBan	andom variable
that takes	the values
0.1.2	
P(x=1)=	

what is $p(x=0)^2$

solution :

X	0	1	2
pcx=x)	メ	0.6	पु

E(X) = 0+x+0.6+24

$$0.6 = 29$$

عجرم الإحمالات ساووي : Note به المحمالات ساووي على المحمالات ساووي المحمد منه المستنتج أن:

2) given that event to Be are mutual exclusive events then what's p(AUB) P(B)=0.7 P(A)=0.3 solution;-P(AUB)=P(A)+P(B)

تقوم فكرة السؤال على إعطائك (3) × ~ N (200, 20²) P(x>a) = 0.0808

T if you know that

Q1 = 120 and Q3 = 180

When what is the outlies?

Solution:- $TQA = Q_3 - Q_1$ = 120 - 120 = 60

-> from night

93 + 1.5 * IPR

= 270

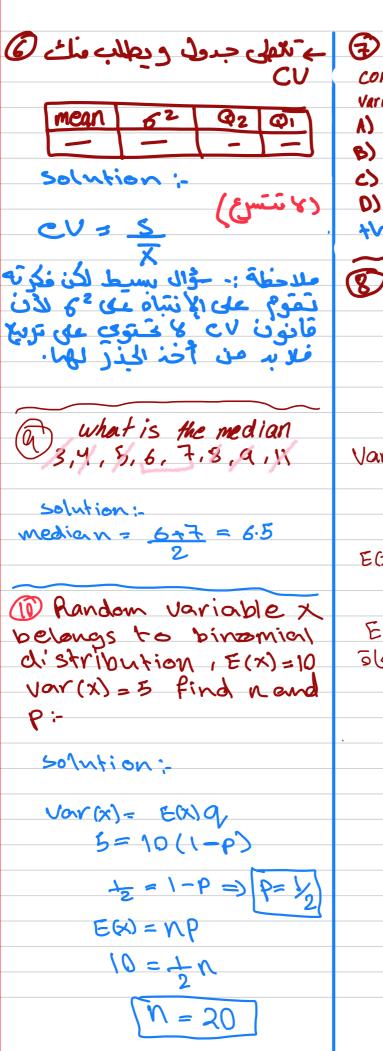
-> from left

ON - 1.5 * IOR

WHIEL 30 - - - 270 out

are not

outlie



which of the following considered as a discrete random variable:-

c) .. temperature ___

D) bime - - - -

the answer is: A

x 1 2 3 px-x 0.3 0.6 0.1

Variance:- 114, 1

 $Var(x) = E(x^2) - (Ex)^2$ = 3.6 - 3.24 = 0.36

E(x) = |*0.3 + 2*0.6 + 3*0.1

الأرمَام ليت المحية هي مَعَط لعاكاة -- قال الم محان .

distribution with a mean 190 and astandard deviation 20 whate is the value below which half of observations fall? The answer is: 190

If the probability of 200000 women who tested negative for breast cancer 10 get cancer in the next 5 years, if 10 tested positive the probability is 1 getting breast cancer, what is the relative risk of having breast cancer and tested positive compared to having cancer and testimed negative

$$RR = P(A|B)$$
 $P(A|B)$

Q.13) given that the data in front of you follows a normal distribution then find P(x=60)?

answer => Zero

BYY

Hypertension Suppose 84% of hypertensives and 23% of normotensives are classified as hypertensive by an automated blood-pressure machine. What are the PV^{-} and PV^{-} of the machine, assuming 20% of the adult population is hypertensive?

Solution: The sensitivity = .84 and specificity = 1 - .23 = .77. Thus, from Bayes' rule it follows that

 $PV^+ = (.84)(.2)/[(.84)(.2)+(.23)(.8)]$ = .168/.352 = .48

Similarly, $PV^- = (.77)(.8)/[(.77)(.8)+(.16)(.2)]$ = .616/.648 = .95

