Name:

Chapter 6 Key Topic

Is about...

Discrete Random Variables

Discrete whole #5 / Gaps inset.

Continuous Nic gaps / Decimals ok

Valid Distribution

30 may si hurgagad was 30 5 6 6

game. the number of goals, X, scored in a hockey Ex: This is a probability distribution for

STALE-SHAPE STATE OF THE STATE	141500//rindini/wei
Prob.	×
.2	0
.25	(county)
.35	2
.20	3

Find the mean of the distribution and in-

AFER many games, the average # of goals is 1.55. 0(.2)+1(.25)+2(.35)+3(.20)=

this indexpert to A Propals The standard deviation is 1.023. Interpret いまするがあるようところい TOBLE BELL.

Binomial Distribution

こののできるのろう BINARY - FULLY

C

Same propability

Formula

うでたっていている

Mean = O * O

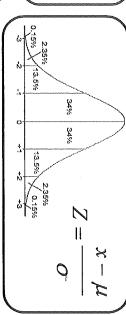
Standard Deviation =

shoots 8 3-pointers in one game. Ex: Micah is a 52% 3-point shooter. He

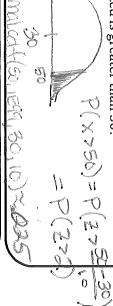
tion 7-8(.53)=+16 A.) Find the mean and standard devia-

O= (80.53)(.48) = 1.41B.) What is the probability he makes exactly 5 of the 3-pointers? (.52) (.48)=, 235

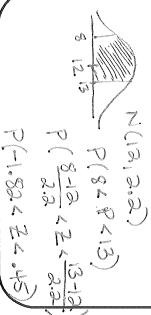
Continuous Random Variables



selected is greater than 50? what is the probability that a value N(36)Ex. If the mean is 30 and the deviation is 10,



2.2, what is the probability that a value selected is between 8 and 13? If the mean is 12 and the deviation is



normalady (8, 13, 12, 2,2)=169