hyphenol harap PUC-22-1 1,2,3,3,6 $M(X) = \frac{15}{5} = 3$ $M_0 = 3$ $M_0 = 3$ 3 - 3 + 3 = 3Orben: 5)3 2. DX1+X2-X3

 $M(X_1) + M(X_2) - M(X_3) = 0 + A - A = 0$ Comben: 1X, + X2-X3

3. $M(x) = \frac{2.12 + 5.16 + 7.14 + 10.8}{12 + 16 + 14 + 8} = \frac{24 + 80 + 97 + 80}{50}$

2 282 = 5,64 Onlen: 2) 5,64

4. p=== 9=== np-q < mo < np+p

49-6 5 mo 5 49 +1 4,86 € W 0 € £ 2186 => W 0 €D

J. p =0,002 d=0,998 n=4000 npg=1,984 <10=> Typenon l=1p=8 gla 0 rewber ho= \(\frac{1}{n} \cdot \eq 2 \) = \(\frac{2}{n} \cdot \eq 2 \)

ght revolver $P(1) = \frac{m!}{m!} \cdot e^{-\lambda} = \frac{8!}{1!} \cdot e^{-8} = 8e^{-\lambda}$ ght 2 neablex $P(2) = \frac{m!}{m!} \cdot e^{-\lambda} = \frac{8!}{1!} \cdot e^{-8} = 32e^{-\lambda}$ $P = P(0) + P(1) + P(2) = e^{-\delta} + 8e^{-\delta} + 32e^{-\lambda} = \frac{4!}{1!} \cdot e^{-\delta}$

Omben: 41e-8

npg = 900>1=>lanae 6. n=10000 P=0,1 9=0,9 P(250,< X<1050) = P(X") - P(X') X" = 1050-1000 = 50 = 5 X' = AP 1000 - STO-NP - STO-NOSO z - 5 Onben: 5) 2P(=)-1 P(950< X<1050) = P(3) -P(-5)= 二甲(素)-(1-中(量) = (中(量)-+ $KXX = M(X \cdot Y) - M(X) \cdot M(Y)$ M(X.Y) = 4+20+15+28+63 = 130 KX,Y = 130 - 4.22 = 130 - 112 = 18 = 36 8. $P(X \ge 2 \mid X \le T) = \frac{P(X \ge 2 \mid X \le 5)}{P(X \le 5)} = \frac{P(X \ge 2 \mid X \le 5)}{P(X \le 5)} = \frac{2}{3}$ 9. 1.(0,1-0) + 3(0,9-0,1) + 5(1-0,9) = 3Onbem: 4)3 0. P(X<3,5) = max-3,5 = 5-3,5 = 45= 0. P(X<3,5) = max-min = 5-15 = 45= =0,375 Ombem: 2)0,375

11.
$$P(5 < x < T) = \int f(x) dx = \int \frac{T}{(x^2 - 3)} dx =$$
 $= (x_1^2 - 3x) \int \frac{T}{2} = \frac{19}{4} = 0.20 \text{ Onben: } 5) 0.25$

12. $\frac{1}{4}$

13. $M(x) = \int x f(x) dx = \int (2x^2 + 2x) dx =$
 $= \frac{(2x^3 + x^2)}{3} + \frac{1}{4} = \frac{2}{3} - 1 = -\frac{1}{3}$
 $P(x + \frac{1}{3} < 0) = P(-\infty < x < -\frac{1}{3}) = \frac{1}{3} - \frac{1}{3} + 12 =$
 $= \int (2x + 2x) dx = (x^2 + 2x) \int \frac{1}{3} = \frac{1}{3} - \frac{2}{3} - 1 + 2 =$
 $= \frac{1-c}{9} + 1 = -\frac{c}{9} + 1 = \frac{c}{9} \text{ Onben: } 5) \frac{d}{9}$

14. $x^2 = 0.19 = 5 \times 2 = 0.15 \text{ Onben: } 3) 0.75$

16. $x \sim N(-2.14) = 5 \text{ M(x)} = 0 = -2 \text{ Onben: } 3) 0.75$

16. $x \sim N(-2.14) = 5 \text{ M(x)} = 0 = -2 \text{ Onben: } 3) 0.75$

17. $x = 0.19 = 0.5 \text{ Onben: } 3) 0.75$

18. $x = 0.19 = 0.5 \text{ Onben: } 3) 0.75$

19. $x = 0.19 = 0.5 \text{ Onben: } 3) 0.75$

19. $x = 0.19 = 0.5 \text{ Onben: } 3) 0.75$

10. $x = 0.19 = 0.5 \text{ Onben: } 3) 0.75$

11. $x = 0.19 = 0.75 = 0.75 = 0.75$

17.
$$P(-\infty = x = 15) = 0/35$$
 $P(30 = x = 0) = 0/32$

$$P(\frac{15-0}{6}) - P(-\infty) = 0/32$$

$$P(\frac{15-0}{6}) - P(\frac{20-0}{6}) = 0/32$$

$$P(\frac{15-0}{6}) + 0/5 = 0/32$$

$$P(\frac{15-0}{6}) + 0/5 = 0/32$$

$$P(\frac{30-0}{6}) = 0/32$$

$$P($$

$$H(Y) = \underbrace{\sum_{S_1}^{K_1}}_{S_1} \underbrace{k_{X_1}}_{S_2} = \underbrace{M(XY)}_{S_1} - \underbrace{M(X)}_{M(Y)} + \underbrace{M(X)}_{S_2} = \underbrace{M(XY)}_{S_2} - \underbrace{M(XY)}_{S_2} = \underbrace{M(XY)$$