4hm =)
$$6c_4 \times 4c_3 = 60$$

5hm =) $6c_4 \times 4c_2 = 36$
6hm = $6c_6 \times 4c_1 = 4$

7.

3.

$$N=10$$
 $\dot{x} = 205$ $\dot{s} = 26^2$

$$7 = \frac{\dot{x} - M}{5/50} = 3.1622$$

& due, not fail in critical runso

cly harm kun ub

5.

$$p(A) - p(B) = p(ANB)$$

A and is are imbraded

A
$$x=0,1...$$
 N
B
C
 $-4 \times < 4$
N
E
 $x=0,1...$
 $x=0,1...$

(.

3.

9.

$$E(\frac{K!Y}{2}) = \frac{E(x) + E(Y)}{2} = \frac{2}{3} = 3$$

$$v(\frac{1}{2})^{2} = \frac{1}{4}v(x) + \frac{1}{4}v(x)$$

$$P(|S \times X \neq 2S) = P(|X = 2)$$

4 conbradi.

13-

sinu x has positive angular

$$f(x) \ge 0$$

$$\int_{-1}^{2} f(x) dx = \int_{-2}^{2} c\lambda^{2} dx = \left[\frac{cx^{3}}{3}\right]_{-1}^{2}$$

$$x^{2} \ge 0 \text{ fo all } x \text{ ih fam.}$$

$$= \left(\frac{cx}{3}\right) - \left(-\frac{PL}{3}\right)$$

$$= \frac{16L}{3} = 1$$

$$C = \frac{3}{16}$$

$$E(X) = \int_{2}^{4} \frac{32}{3X^{2}} dX = \frac{n}{3} \left[-\frac{1}{X} \right]_{2}^{4}$$

$$= \frac{n}{3} \left[-\frac{1}{4} - \left(-\frac{1}{2} \right) \right]_{2}^{4}$$

$$= \frac{n}{3} \left[-\frac{1}{4} - \left(-\frac{1}{2} \right) \right]_{2}^{4}$$

$$= \frac{n}{3} \left[-\frac{1}{4} - \left(-\frac{1}{2} \right) \right]_{2}^{4}$$

1 (Arter 3/4 mml) = 0.61

$$P(V) = 0.25$$
 $P(V') = 0.35$
 $P(V')$

large n
$$\hat{x} = 3.22$$
 $s^2 = 1.69^2$ $n = 678$
 $95\% C2 = \hat{x} \pm 20.025 \text{ Jn}$
 $= (3.07, 3.37)$

16-

Falm

17.

13.

True

A / 2× m

B 🗸

(x

cos only und to compan

us jud draf

D /

E

2N.

Text No. Months MHi: M < 7262

probes encora

N=50 6= 1100 = X= 2995

 $Z = \frac{\dot{y} - M}{c/\sqrt{n}} = -1.71674$

prolin = 1 (2 < - 1.71674) = 0.04304

21.

1 = to GEX be # time I aim

y~ 11 (6, 75)

 $\Gamma(X=3) = {6 \choose 3} \frac{1}{70} {7 \choose 10} = 0.01013$

$$r(x=1) = 0.3 \times 0.4 + 0.2 \times 0.3 + 0.2 \times 0.3$$

24.

Urn 1 2 Block 8 nhrh

$$N(un) = \frac{1}{3}$$
 $un 2$ 4 Block 6 nhr

 $un 3$ 6 Block 4 nhrh

$$\frac{1(\text{Vrn1} | \text{while})}{1(\text{while})} = \frac{1}{3} \left[\frac{1}{10} + \frac{1}{154} \frac{1}{154} \right] = \frac{1}{10} = \frac{1}{10}$$

$$= \frac{1}{3} \left[\frac{1}{10} + \frac{1}{154} \frac{1}{154} \right] = \frac{1}{10} = \frac{1}{$$

$$\overline{d} = (3.2) + (-1.5) + (0.7) + (5.9) + (-3.7)$$

$$+ (80) + (17) + (1)$$

$$= 4.8125$$

$$S_1^2 = \frac{1}{7} \left(\xi di^2 - 3J^2 \right) = \frac{1}{7} \left(493.69 - 8. \left(4.8128 / 1 \right) \right)$$

$$954.02 = \frac{1}{2.1646} = 114.05839$$

$$= \frac{1}{2.1646} = \frac{1}{2.1646$$

$$E(MY) = E(X) + E(Y) = 5$$

$$v(z) = v(x|y) = v(x|y) + 2 G v(x) v(y)$$

$$= 141421\frac{1}{2} = 3$$

$$1(z \neq 7) = r\left(\frac{z-5}{5} \neq \frac{7-5}{5}\right)$$

r(10) = 0

$$f(7) = 03$$
 $f(17) = \frac{1}{4}$
 $f(13) = 0.2$
 $f(110) = \frac{1}{5}$
 $f(110) = \frac{1}{5}$
 $f(110) = \frac{1}{5}$

1(4)

30.

$$\int_{1}^{2} \int_{m_{1}}^{m_{2}} \frac{\chi_{1}}{\chi_{1}} \left(\chi_{1} - \chi_{1}\right)^{2}$$

$$\frac{(n-1)!^2}{\zeta^2} \sim \chi^2(n-1)$$

$$N\hat{\chi} = \sum_{i=1}^{n} \chi_{i} \qquad \sim \chi_{i}(n)$$

$$\frac{\chi_1^2/1}{\chi_{m1}^2/m_1} \sim F(1,m_1)$$

$$E(m\chi)$$

E(x) =

$$P(N = 1 \mid N = 4) = \frac{P(1 = N = 4)}{P(1 = 4)}$$

$$= \frac{N = 1}{N = 1} = \frac{1}{1}$$

$$= \frac{N}{N} = \frac{1}{1} = \frac{1}{1}$$

$$N=1 = 17$$
 $N=1 = 17$
 $N=1 = 17$
 $N=4 = 17$
 $N=4 = 17$
 $N=4 = 17$

N=v=) =

1(1/4)

$$\frac{Z}{\sqrt{|A/n|}} \qquad \qquad \chi^{2} = \frac{Z^{2}}{|U/n|}$$

$$\chi^{2} = \frac{|U/n|}{|U/n|} = |F(n,1)|$$

$$\chi^{2} = \frac{|U/n|}{|U/n|} = |F(n,1)|$$

$$P(A \cap 13 \cap C') = 0.1$$

$$P(A' \cap 13 \cap C') = 0.1$$

$$P(A' \cap 13 \cap C') = 0.1$$

$$P(ANB) = 3$$

$$P(ANB) = 3$$

$$P(ANB) = \frac{1}{3}$$

M (ANI3 / L') = W12

$$\frac{\alpha}{\alpha + m^2} = \frac{1}{3}$$

$$\alpha = \alpha \vee 6$$