-. 1. 
$$p(A) = \frac{1}{6}$$
  $p(13) = \frac{1}{6}$ 

$$p(c) = \frac{6}{36} = \frac{1}{6}$$

$$P(AC) = \frac{1}{36}$$
  $P(BC) = \frac{1}{36}$   $P(AB) = \frac{1}{36}$ 

$$p(ABC) = \frac{1}{36}$$

柳山 A.B. C石的加州之, 127季的水水之。 连 C.

2. 
$$P\{X=2\} = \frac{C_3}{C_3^2} = \frac{3}{1^{\circ}}$$

$$P\{X=3\} = \frac{G \cdot G}{G} = \frac{10}{10}$$

$$P \neq X = Y = \frac{C_3^1}{C_3^2} = \frac{3}{10}$$

放送D.

$$\int_{0}^{\infty} \frac{1}{\sqrt{14}} E(s^{2}) = \sigma^{2} - \frac{1}{\sqrt{2}} \int_{0}^{\infty} V(x).$$

$$Vor(X) = m(m-1)p.$$

$$E[\int_{0}^{\infty} (X_{1} - X_{2})^{2}] = E[(n-1)S^{2}] = (n-1)E(S^{2})$$

$$= (n-1) m(m-1)p.$$

$$E[X^{2}] = Vor(X) + (EX)^{2} = \frac{1}{\sqrt{2}} + \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$$

$$Cor(X^{2} + X^{2} + 2) = E(X^{2}(X^{2} + 2)) - E(X^{2})E(X^{2} + 2)$$

$$= E(X^{3} - 2X^{2}) - E(X^{2}) + \frac{1}{\sqrt{2}} = \frac{3}{\sqrt{2}} = 1 + \frac{3}{\sqrt{2}} = \frac{3}{\sqrt{2}} = 1 + \frac{3}{\sqrt{2}} = \frac{3}{\sqrt{2}}$$

$$= E(X^{3}) - 2 \cdot \frac{1}{\sqrt{2}} + \frac{1}{\sqrt{2}} \cdot \frac{3}{\sqrt{2}} = \frac{3}{\sqrt{2}} = 1 + \frac{3}{\sqrt{2}} = \frac{3}{\sqrt{2}}$$

$$= \frac{3}{\sqrt{2}} E(X^{2}) = \frac{3}{\sqrt{2}} \cdot \frac{1}{\sqrt{2}} = \frac{3}{\sqrt{2}}$$

友色A.

7. 
$$Y = \frac{1}{2}$$
 $Y = \frac{1}{2}$ 
 $Y$ 

$$= 3DX + O - DY$$

$$=\frac{(\sqrt{3x-1}, x+1)}{\sqrt{3(3x-1)}} = \frac{3\cdot 2-7}{\sqrt{9\cdot 2+7}}$$

13. 
$$\left(\frac{\chi_{1}}{2}\right)^{2} + \left(\frac{\chi_{2}}{2}\right)^{2} + \left(\frac{\chi_{3}}{2}\right)^{2} \sim \chi^{2}$$
 13)

$$=\frac{1}{\varphi}(\chi_1^2+\chi_2^2)+\frac{1}{\varphi^2}\chi_3^2$$

$$\frac{1}{T^{\nu}} = 2 \Rightarrow 0^{\frac{\nu}{2}} = \frac{1}{2}$$