4. 
$$g(x) = \mathbb{Z}_{4}$$
  $p[(-1, 1)] \cdot [-1, 1) \cdot [-1, 1] \cdot$ 

$$M_2 = d_2 - d_1^2 = 2 - \frac{30}{3}0 = 1 + 40 - 40^2 =$$

$$= 1 + \frac{30}{3}0 - 40^2$$

$$\Delta_{1} = \overline{\lambda}_{1} = \overline{\lambda}_{2}$$

$$\Delta_{2} = \overline{\lambda}_{1} = \overline{\lambda}_{2}$$

$$\Delta_{3} = \overline{\lambda}_{1} - \frac{1}{2} \overline{\lambda}_{1}^{2} \times \overline{\lambda}_{2}^{2}$$

$$\Delta_{4} = \overline{\lambda}_{1} - \frac{1}{2} \overline{\lambda}_{1}^{2} \times \overline{\lambda}_{2}^{2}$$

$$M[0] = M[\frac{1}{2} - \overline{\lambda}_{2}^{2}] = \frac{1}{2} - \frac{1}{2}M[6] = \frac{1}{2} - \frac{1}{2}[1 - 20] = 0$$
Heereny.

## COCTOSTERBLOCTO:

$$D[\widehat{\Theta}_{1}] = D[\frac{1}{2} - \frac{2}{3}] = \frac{1}{4}D[\overline{X}] = \frac{1}{4n}D[\widehat{\Theta}] = \frac{1}{4n}D[$$

nagon 
$$\frac{\partial}{\partial x} p(x, \theta) dx = 0$$

$$\begin{array}{l}
\int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}}}^{\frac{\pi}{2}} \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}}^{\frac{\pi}{2}} \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}}^{\frac{\pi}{2}} \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}}^{\frac{\pi}{2}} \int_{-\frac{\pi}{2}}^{\frac{\pi}{$$

$$L(\theta) = \theta^{n-m} \left( \frac{1}{2} - \theta \right)^{m}$$

$$L(\theta) = (n-m) \ln \theta + m \ln \left( \frac{1}{2} - \theta \right)$$

$$\frac{\partial L(\theta)}{\partial \theta} = \frac{n-m}{\theta} + \frac{m}{\frac{4}{2} - \theta} \cdot (-1) = \frac{(n-m)(\frac{1}{2} - \theta) - m\theta}{\theta(\frac{1}{2} - \theta)} = 0$$

$$\frac{1}{2} - n\theta - \frac{m}{2} = 0 \qquad \theta = \frac{n-m}{2n} = \frac{1}{2} - \frac{1}{2} \cdot \frac$$

$$M[Q] = \frac{1}{2} - \frac{1}{2}M[V] = \frac{1}{2} - \frac{1}{2}P^{-2}\frac{1}{2}[\frac{1}{2}-0]_{2}$$
  
=  $22200$  0 => Keenews.

$$D[3] = D[\frac{1}{2} - \frac{1}{2}\lambda] = \frac{1}{4}D[\lambda] = \frac{1}{4}(\frac{P(3-P)}{n}) = \frac{1}{4}(\frac{2(\frac{1}{2}-0)(20)}{2n}) = \frac{1}{4}(\frac{2(\frac{1$$

D[o] - orb- unt nour. 13(0, =) ferguspu.

$$O[0] = \frac{O(1-20)}{2n} = \frac{O(1-20)}{2n} = \frac{2}{2} 2gppentubus.$$

-) Bs - 4e appenduous.