1. A wrong as $x^2 + y^2 + \frac{1}{4} = 1$ so $x^2 + y^2 \neq \frac{1}{4} = \frac{3}{4}$

$$X(D) = (1)$$

$$X(D$$

4. H(w) =
$$H\left(\frac{3}{5}(0) - \frac{4}{5}(0)\right)$$

= $\frac{3}{5}\left(\frac{1}{15}(0) + \frac{1}{15}(0)\right) - \frac{4}{5}\left(\frac{1}{15}(0) - \frac{1}{15}(0)\right)$
= $-\frac{1}{15}\frac{1}{5}(0) + \frac{1}{15}\frac{7}{5}(0)$
 $P(0) = \frac{1}{5} \times \frac{49}{25} = \frac{49}{50}$

$$\begin{cases} 0.5 & 0.5 \\ 0.$$

$$\left(\begin{array}{cc} & & \\ & & \\ \end{array}\right)\left(\begin{array}{cc} & \\ & \end{array}\right) = \left(\begin{array}{cc} & \\ & \\ \end{array}\right)$$

$$= H \times 10) = \frac{1}{12} (0) - \frac{1}{12} (1)$$

$$\begin{cases} \frac{1}{\sqrt{2}} & \frac$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{1$$

$$P(0) = \frac{3}{4} \qquad times = 375 \quad A$$

(=0,1,2,3

$$i = 0$$
 $x = 0$ $i =$