H24 & A | O | O | 
$$\frac{3-\lambda}{1-\lambda} = \frac{3}{2} = \frac{3}{2} + \frac{1}{2} = \frac{3}{2} + \frac{3}{2} = \frac{$$

$$(1) \lambda^{2} - 1 = 0$$

$$\lambda^{2} = 1 \rightarrow \lambda = 1$$

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$$\lambda^{2} = C e^{-x} + C_{2}e^{x} (C_{1}, C_{2} = 26)$$

$$\begin{cases}
2 \cdot a - 0 = 0 \\
-2 \cdot a - b = 1
\end{cases} = 0$$

$$\begin{cases}
a = 2b \\
b = -\frac{2}{5} \\
b = -\frac{1}{5}
\end{cases}$$

B) (1) 
$$N = {}_{5}C_{3} = \frac{5!}{(5-3)!} \cdot \frac{1}{3!} = \frac{5 \cdot \cancel{4} \cdot \cancel{3} \cdot \cancel{2}}{\cancel{2} \cdot \cancel{3} \cdot \cancel{2}} = 10$$
  

$$\therefore p_{i} = \frac{1}{10}$$

31 
$$\chi = \{1, 2, 3\}$$
 and  $\chi = \{1, 4, 5\}$ 

$$\frac{3 \cdot 2^{2}}{5^{2}} = \frac{3}{10}$$

$$z - a^2 - b^2 = 2a(x-a) + 2b(y-b)$$

$$Z = a^2 + b^2 + 2ax - 2a^2 + 2by - 2b^2$$

$$z = 2\alpha x + 2by - (\alpha^2 + b^2)$$

(2) 
$$-1 = -(a^2 + b^2)$$

$$Z = \chi^2 + y^2 = \alpha^2 + \delta^2 = 1$$

手りた。(a,人,)にかけり、から  
手句を=1と  

$$Z = f(x,y)$$
の交わる「月  $\{(x,y,\xi)(x^2+y^2=1,8=1)\}$  びある

$$= 2\pi \left(\frac{1}{2} - \frac{1}{4}\right)$$

$$= 2\pi \left( \frac{2}{4} - \frac{1}{4} \right)$$