	學期 考	系 姓名 羅 乳草	學號 130729038
$\int_{-\infty}^{\infty} \left( x, 10, \frac{1}{10} \right)$	Cx (10) x (9)10-X		
fx(0) = 0.3487			
$f_{x}(1) = 0.3874$ $f_{x}(2) = 0.1937$	fx(6) = 0.000 fx(1) = 8148 e-0.6		
$f_{x(3)} = 0.0574$	fx(8) = 3.645 e-0.7		
$f_{x}(4) = 0.0112$	$f \times (9) = 9 e^{-09}$ $f \times (10) = 1 e^{-10}$		

(3) 
$$6^2 = n \cdot p \cdot (1-p) = 10 \times \frac{1}{10} \times \frac{9}{10} = \frac{9}{10}$$
  
 $6 = \sqrt{\frac{9}{10}} = 0.7487$ 

$$\frac{(4) \text{ fy}(k) = \frac{C^{10} \times C^{10} + C^{10}}{C^{10}} \qquad \text{fy}(0) = 0.3305 \qquad \text{fy}(5) = 6.398 e^{-04} \qquad \text{fy}(10) = 5.777e^{-14}}{\text{fy}(1) = 0.4080} \qquad \text{fy}(6) = 3.1 e^{-05} \qquad \text{fy}(2) = 0.2015 \qquad \text{fy}(n) = 8.144e^{-04}$$

$$\text{fy}(3) = 0.0518 \qquad \text{fy}(8) = 1.0411e^{-01}$$

$$\text{fy}(4) = 0.0076 \qquad \text{fy}(9) = 5.1992e^{-11}$$

## (5) 期望值 & 標準差 放不放回都不變

E[Y] + Std[Y] = 1 + 0.8487 = 1.8487

2. (1) 
$$f(w) = P(100, 1) = \frac{e^{-1}, 100}{100} = 3.9419 e^{-159}$$

(2) 
$$E[w] = \lambda t = |vo \times 1| = |vo$$

(4) P(W>120) = 0.9819

(5) 接受,因為平均何天會發生 too 場火災,然而每 (00 天內發生的火災本來) 就有多有少,100天內有 /20場 (請翻面繼續作答) 火災也是有可能的