第四章

6、山是, 斋住散的

12) X MB (10,0.5)

P(x ≥ 6) = 1-P(x ≤ 5)

= 1-0.623

= 1-0.623 = 0.371* P(X=x)= e+ x 21 n=16, 1 x N(13.2,5.32)

(3) $p(x \le 4) = 0.37) * p(x=k) = \sum_{x=0}^{k} \frac{M^{x}}{x!} e^{x} \qquad (x \ge 1) \frac{5.3^{2}}{16}$

34. 全义着一個月內發生無預警停駛的次款 习 灭-13.2 n N (0,1)

(2) P(X21) = 1-P(X=0) = 1-e-0.5 = 0.3935

= P(871.36)=1-P(861.36) 35、全x篇10呎寬、30呎長的玻璃氣泡瑕疵價於=1-0.9131=0、0869。

則 XmP。(3)

11) $P(X=0) = \frac{e^3 3^0}{01} = 0.0498$

(2) $P(x=2) = \frac{e^{-3}3^2}{2!} = 0.224$

39、令×為上網時間長度,則×N(5,3.5°)

 $P(X>8) = P(Z > \frac{8-5}{3.5})$

= P(Z > 0.86)

= 1-0.8051 = 0.1949*

8、設X表示林書家在2012-2013年球季每場球的得分,由題意可知 X~N(13,2,5,32)

11/ $P(x>15) = P(\frac{x-13.2}{5.3} > \frac{15-13.2}{5.3})$

= P(Z > 0.34) = 1-P(Z = 0.34)

= 1-0.6331 = 0.3669*

 $\text{disp}(X=0) = \frac{e^{-0.5} \cdot e^{0}}{0!} = e^{-0.5} = 0.6065 \quad \text{th} \quad P(X>15) = P\left(\frac{X-13.2}{5.3} > \frac{15-13.2}{5.3}\right)$