1. 波第:P.展糕的价格为X; ,则X;有分布律为:

$$\frac{x_{i}}{P_{k}} = \frac{1}{0.2} \frac{2}{0.5} \frac{E(X_{i}) = 0.2 \times 1 + 0.5 \times 2 + 0.5 \times 3 = 2.1}{E(X_{i}^{2}) = 0.2 \times 1 + 0.5 \times 2 + 0.5 \times 3^{2} = 4.9}{D(X_{i}) = 4.9 - (2.1)^{2} = 0.49.}$$

(1)
$$\not R \not R = \Sigma \vec{X};$$

$$P(X \ge 500) = P(500 \le X \ge 10) = P \left\{ \frac{660 - 300 \times 2 \cdot 1}{\sqrt{100} \cdot \sqrt{0.49}} \le \frac{200 \times 2 \cdot 1}{\sqrt{100} \cdot \sqrt{0.49}} \le \frac{200 \times 2 \cdot 1}{\sqrt{100} \cdot \sqrt{0.49}} \right\}$$

$$= 1 - \phi(1.65) = 1 - 0.9505 = 0.0495$$

12). 风火说的 300 P, 蛋糕中售价的3元的毒糕的5数,于是个少为6300,003)
$$E(Y) = 300 \times 0.3 = 90$$
 DCY) = $300 \times 0.3 \times 0.7 = 63$ $P(Y>60) = 1-P(Y\le 100) = 1-P(Y=100) = 1-P(Y=1$

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

- 3. 由新断部.100人中治愈人数 X 56(100,0.7年)
 - u) 先治愈孝かの75. 別 接後的福神(ア(X)70). 由中心 极限这世,有 XいN (100×075, 100×0.75×0.25)=N(75, 18.75) P,=P(X>70) コー中(70-75)=中(元元)=中(1.15)=0.8749

5. (1) (1) 因如 $\frac{(n-1)S^2}{S^2}$ $m \chi^2(n-1)$, n=16 $\Rightarrow \frac{15S^2}{S^2}$ $m \chi^2(15)$ 村有: $P = P(S^2/S^2 \le 2-241) = P(15S^2/S^2 \le 15 \times 2-041)$ $= 1-P(15S^2/S^2 > 30.615) = 0.99$

(2) $P(155^2/6^2) = 2 \times 15 = 30$ $P(5^2) = \frac{26^4}{15}$

(12/10-1/2) = (12/10-1/2)

1- (1) 1/2

125 - 124 9 5 6 .

開始 から (A Series A Series Character) (A Series Ch

1490 12 (2005) 2 1 - 7 (1605) - 10 (300) - 10 (100) - 1

12 + 40 00 - 61 X co 6 (co - 2 5) 10/ 4 (20 4) 2 1 - 4 (20 4) 2 1