1. R+0
$$G_1 - G_0 = 0$$
 # 100 $G_0 = 0$ # 100

= 5/20 + 4×11520 + 9×15360 + 16×13440 + 25×8004 + 36×3360 + 49×600 + 64×180+ 81×20 + 100×1=MX²=574170

2. (1)
$$f_{W}(W) = P(W; 100) = \frac{e^{-i\infty} \times (100)^{W}}{W!}$$

(5) 拒絕它,偏差值過高

(1).
$$p(\chi=10) = {100 \choose \chi} (0.05)^{\chi} (1-0.05)^{100-70}$$

 $p(\chi=10) = {100 \choose 10} (0.05)^{10} (0.95)^{90}$
 $= 0.016715 = {1015 \times 10^{-2}}$

(2) A buyer would suspect the claim is not correct because assuming a correct claim, probability of having to detective item in sample is 1.6713×10⁻² and event would occur only 1.6715% of time.

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[2]	(.1) (K (100) (100) (100)
[3]	(a) we have to implete $P(X=3)$ which is $P(X=3) = \begin{bmatrix} \frac{15}{3} \end{bmatrix} (0.05)^{5} (1-0.05)^{15} \times $ $P(X=3) = \begin{bmatrix} \frac{15}{3} \end{bmatrix} (0.05)^{5} (0.95)^{10} \Rightarrow 5.62 \times 10^{-4}$ (b) A byer would sweat the chimis wrong became a carect claim, probability of having defective items sample is 5.62×10^{-4} and such event would occur only $[5.62 \times 10^{-4} \times 10^{-5}]_{0}^{5}$ $= 5.5.62 \times 10^{-7} \%$
[4]	$b(x; n, p) = \binom{n}{x} \cdot p^{x} \cdot \binom{n-x}{x} \qquad \qquad$