(1)
$$Z = k+Y$$
.
 $P(Z=l) = P(lel=10) \pm 2$, $l-1e=2$ = 10 ± 2 = 10 = 10 ± 2 = 10 ± 2

$$P(Y=l-k) = {l-1 \choose k-1} P^{k} (1-P)^{l-k}$$

$$P_{k}(Y=i) = {k+i-1 \choose k-1} P^{k} (1-P)^{i} = {k+i-1 \choose i} P^{k} (1-P)^{i}, \quad l-k \ge 1 \ne 0, 1, ...$$

$$E(Y) = \sum_{i=0}^{\infty} i P_{K}(Y=i) = \sum_{i=0}^{\infty} i \binom{k+i-1}{i} P^{K}(I-P)^{i+1}$$

$$= \frac{K(I-P)}{P} \cdot \sum_{i=0}^{\infty} \frac{(k+i-1)!}{i! (k-1)!} \cdot P^{K+1} \cdot (I-P)^{i}$$

$$= \frac{K(I-P)}{P} \cdot \sum_{i=0}^{\infty} \frac{((k+i)+j-1)!}{(i-j)! (I-P)^{i}} \cdot P^{K+1} \cdot (I-P)^{i}$$

$$= \frac{K(I-P)}{P} \cdot \sum_{j=0}^{\infty} \frac{((k+i)+j-1)!}{j! (k+j-1)!} P^{K+1} \cdot (I-P)^{j}$$

$$= \frac{K(I-P)}{P} \cdot \sum_{j=0}^{\infty} \frac{((k+i)+j-1)!}{j! (k+j-1)!} P^{K+1} \cdot (I-P)^{j}$$

$$= \frac{K(I-P)}{P} \cdot \sum_{j=0}^{\infty} \frac{((k+i)+j-1)!}{j! (k+j-1)!} P^{K+1} \cdot (I-P)^{j}$$

$$= \frac{K(I-P)}{P} \cdot \sum_{j=0}^{\infty} \frac{((k+i)+j-1)!}{j! (k+j-1)!} P^{K+1} \cdot (I-P)^{j}$$

$$= \frac{K(I-P)}{P} \cdot \sum_{j=0}^{\infty} \frac{((k+j)+j-1)!}{j! (k+j-1)!} P^{K+1} \cdot (I-P)^{j}$$

$$= \frac{K(I-P)}{P} \cdot \sum_{j=0}^{\infty} \frac{((k+j)+j-1)!}{j! (k+j-1)!} P^{K+1} \cdot (I-P)^{j}$$

(3) 母集団平均と本票本平均が等いとする。
$$E(Y) = k(I-P) \qquad y = k(I-P) \qquad P y = k-kP \qquad P(y+k) = k \qquad P($$