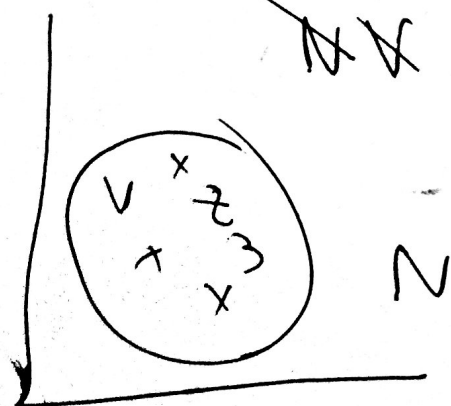
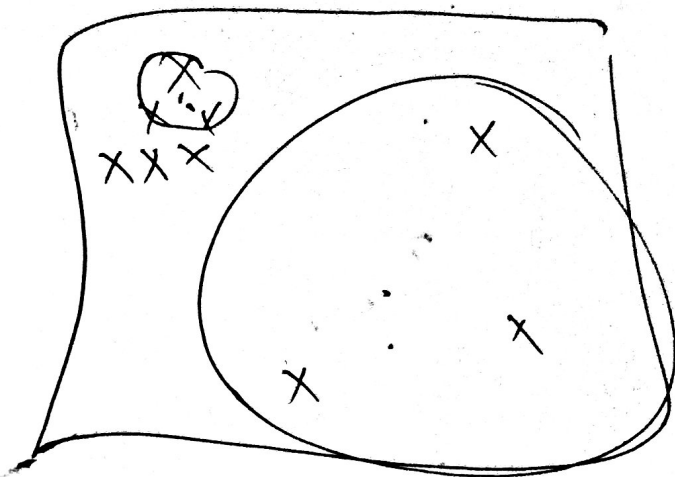
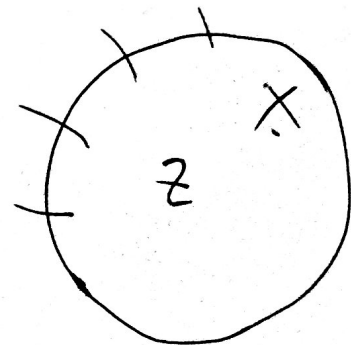


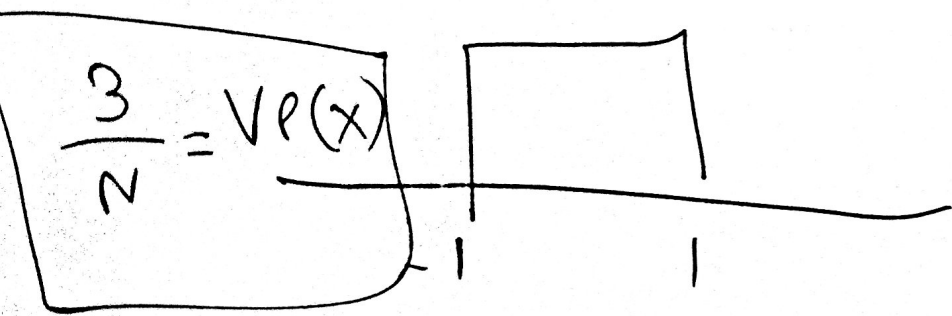
$$\frac{\frac{k_1}{N_1} \cdot \frac{N_1}{N}}{\frac{N_1}{N}} = \frac{k_1}{N}$$

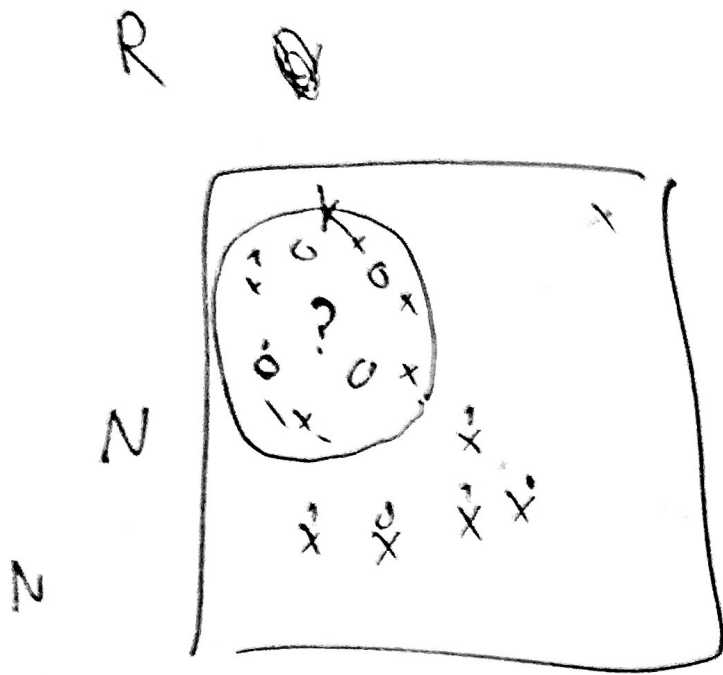


$$\int P(x) = \frac{3}{N}$$



$$\int_R P(x) = 1$$





$$V P(x/y=1) = \frac{k_1}{N_1}$$

$P(x)$

$$\int_{\mathcal{R}} P(x) dx$$

OR

$$= V \cdot P(x) = \frac{k}{N}$$

$$V P(x/y=1) = \frac{k_1}{N_1}$$