(a) Diagram showing dimension on the x-axis ranging from -20 to 20 with variable $\theta_1$. $\theta_2 = 10\%$

(b) Graph comparing neutron counts, $N$, with volumetric soil moisture, $\theta$, in volume percent. Three curves are shown:
- $N(\theta)$ standard homogeneous
- $N(\theta)$ rescaled ($N_{resc}$, Eq. 12)
- $N(\theta_1)$ simulated scenario