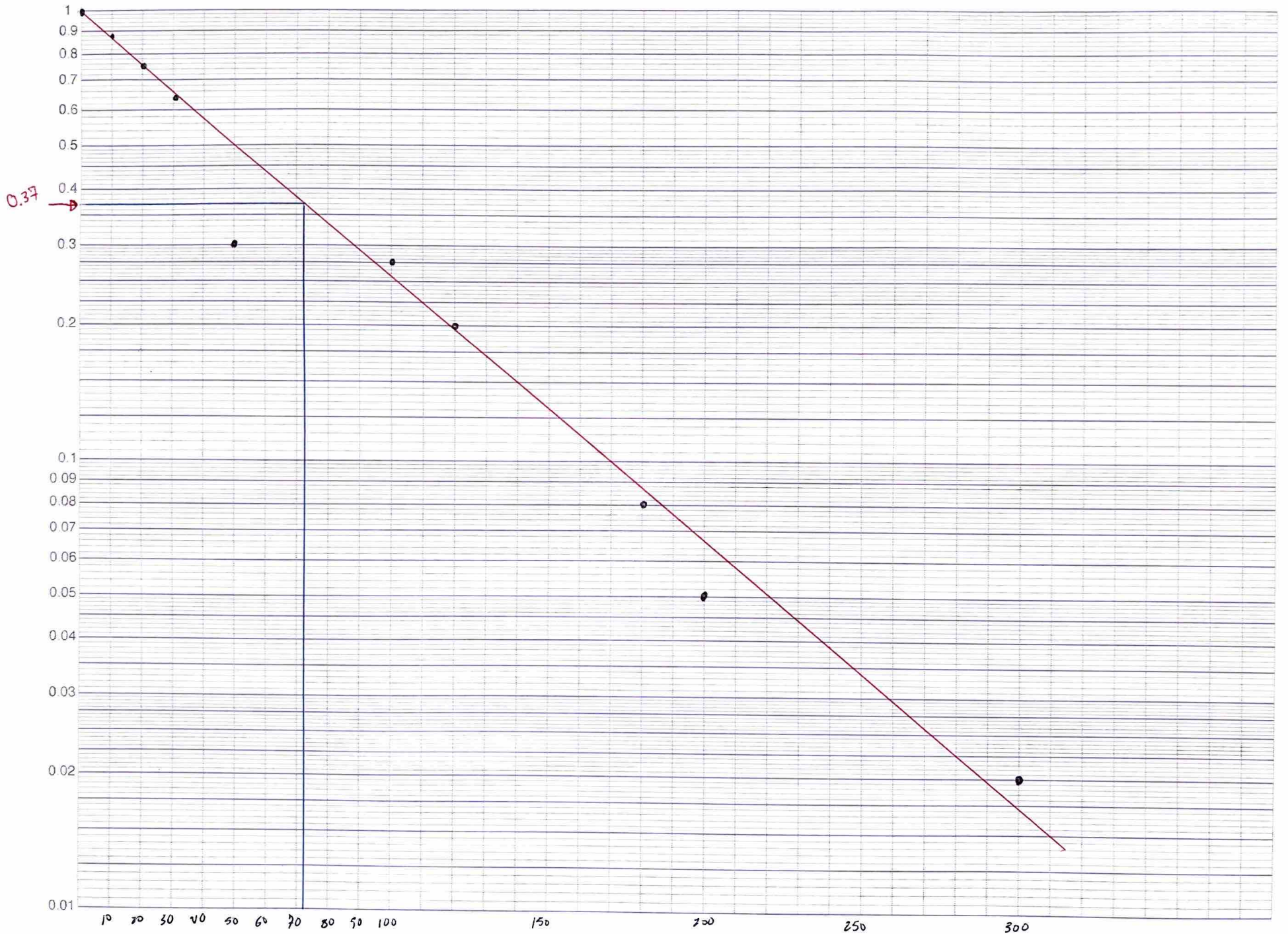


Class Problem - Slug Test - Oct 18, 2022



$$t_{37} = 72 \text{ min}$$

* See back for calculation

$$K = \frac{r^2 \ln(L_e/R)}{2 L_e t_{37}}$$

$$r = 0.05 \text{ m}$$

$$L_e = 4.0 \text{ m}$$

$$R = 0.15 \text{ m}$$

$$t_{37} = 72 \text{ min}$$

$$K = \frac{(0.05 \text{ m})^2 \ln(4.0 \text{ m} / 0.15 \text{ m})}{2 * 4.0 \text{ m} * 72 \text{ min}}$$

$$K = 1.4 \times 10^{-5} \text{ m/min}$$

$$= 0.02 \text{ m/day}$$