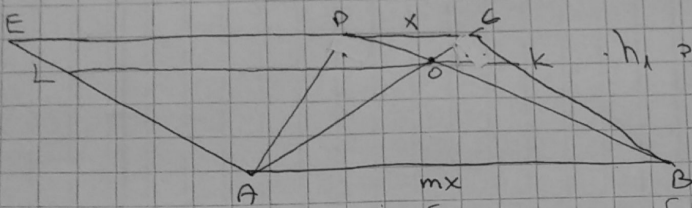


2.54
8

$\triangle DOC \sim \triangle AOB$

היחסים

$$\frac{OC}{AO} = \frac{DC}{AB} = \frac{x}{mx} = \frac{1}{m} \rightarrow \boxed{m \cdot OC = AO}$$



h_1 ? DOC קטע DC של h_1 (הגובה של DOC)
 h_2 ? $\triangle AOB$ AB של h_2 (הגובה של $\triangle AOB$)

$$S_{DOC} = a = \frac{DC \cdot h_1}{2} \rightarrow h_1 = \frac{2a}{x}$$

לכן נוסח הנתון הנתון הוא $OC = \frac{AO}{m}$

$$\frac{h_2}{h_1} = m \rightarrow \boxed{h_2 = \frac{2am}{x}}$$

המשולש $EDBA$ הוא \triangle שבו $ED = AB = mx$

$$ED = AB = mx$$

$$S_{ABCE} = \frac{(AB+CE)(h_1+h_2)}{2} = \frac{(mx+mx+x)\left(\frac{2a}{x} + \frac{2am}{x}\right)}{2} = \frac{x(2m+1) \cdot \frac{1}{x}(2a+2am)}{2} = (2m+1)(a+am)$$

$EC = 10 \leftarrow AB = 8 \quad DC = 2$ היחסים

$$OK = \frac{8}{5} \leftarrow \frac{OK}{8} = \frac{1}{1+m} = \frac{1}{5}$$

$$LO = 8 \leftarrow \frac{LO}{10} = \frac{4}{5}$$

$$LK = LO + OK = 9.6$$

$$\leftarrow \frac{OK}{AB} = \frac{OC}{AC} = \frac{OC}{OC+AO} = \frac{OC}{a+am} : \triangle CAB$$

$$\leftarrow \frac{LO}{EC} = \frac{AO}{AC} = \frac{4}{5} : \triangle ECA$$