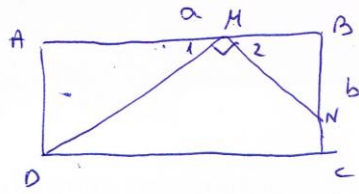


1.17
3



$\angle M_1 = \alpha$: (NO)
 $\angle M_2 = 90 - \alpha$

$\triangle AMN \sim \triangle BNM$ ←

$$\frac{AM}{BN} = \frac{AN}{MB}$$

$AM = x$ (NO)

$$BN = \frac{x(a-x)}{b} \quad \leftarrow \quad \frac{x}{BN} = \frac{b}{a-x}$$

$$4 = \left(\frac{b}{a-x}\right)^2$$

אם נניח שהזווית היא α אז $\angle M_1 = \alpha$ ו- $\angle M_2 = 90 - \alpha$

$$2 = \frac{b}{a-x} \rightarrow 2a - 2x = b$$

$$\boxed{x = a - \frac{b}{2}}$$