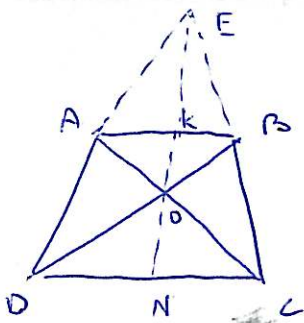


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(S.S) $\triangle ABO \sim \triangle DOC$

$\frac{AB}{DC} = \frac{BO}{DO}$ (1)

(S.S) $\triangle KBO \sim \triangle DNO$

$\frac{BO}{DO} = \frac{BK}{DN}$ (2)

(S.S) $\triangle ABE \sim \triangle EDN$

$\frac{AB}{DC} = \frac{EA}{ED}$ (3)

$\triangle AEK \sim \triangle EDN$

$\frac{AE}{ED} = \frac{AK}{DN}$ (4)

$\frac{AK}{DN} = \frac{EA}{ED} = \frac{AB}{DC} = \frac{BO}{DO} = \frac{BK}{DN}$

נתתי את כל התבניות לך

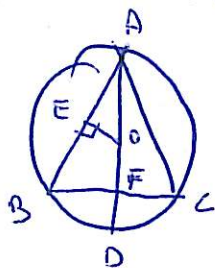
$AK = BK$

(S.S) $\triangle AOB \sim \triangle DOC \Rightarrow \frac{AB}{DC} = \frac{AO}{OC}$ (5)

(S.S) $\triangle AOK \sim \triangle ONC \Rightarrow \frac{AO}{OC} = \frac{AK}{NC}$ (6)

$\frac{AK}{DN} = \frac{EA}{ED} = \frac{AB}{DC} = \frac{AO}{OC} = \frac{AK}{NC} \Rightarrow DN = NC$

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(S.S) $\triangle AEO \sim \triangle ABF \Leftarrow$ כי $\angle EAF$ משותף

$AF = 10 - 3.6 = 6.4$, (היפותנזה) $AO = \frac{1}{2} AD = 5$

$AE = x$ (נתן)

כיון AB אופקית EO אנכית והתעלה AF אופקית
 $AB = 2x \Leftarrow$ תוצאת אוקלס

$\frac{2x}{5} = \frac{6.4}{x}$

$2x^2 = 32$

$x = OE = 4$