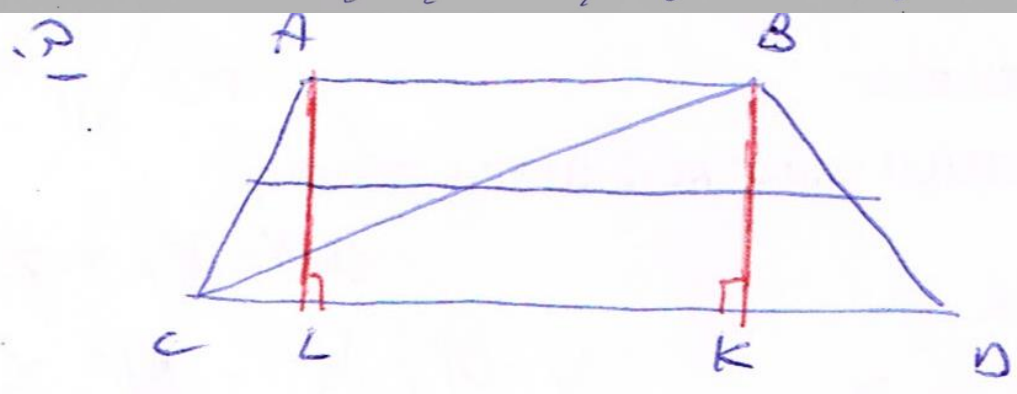


1.98

AD & BG form two triangles
 triangle ABOE
 \Downarrow
 AB = EO
 triangle BGC is similar to triangle OFC
 $OF = \frac{1}{2} GC$
 $EF = EO + OF = AB + \frac{1}{2} GC = \frac{1}{2} (AB + DG) + \frac{1}{2} GC = \frac{1}{2} (AB + DG + GC) = \frac{1}{2} (AB + CD)$



$AB = LK = a - x \leftarrow CL = KD = x$ (NO)

$BC^2 = BK^2 + CK^2$

$b^2 = BK^2 + (a - x + x)^2$

$\sqrt{b^2 - a^2} = BK$

triangle BCK