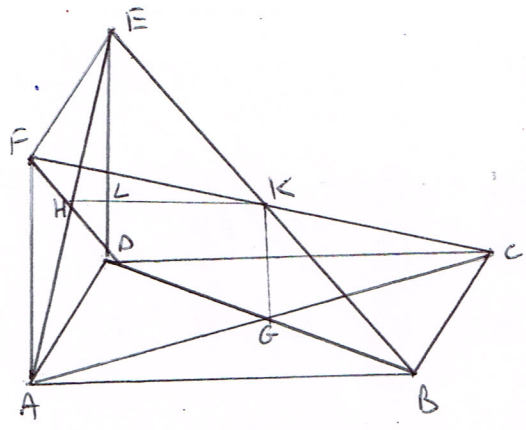


1,24
5



$BC \parallel AD$
 $BC = AD$
 $AD \parallel FE$
 $AD = FE$
 \Downarrow

1/2 1/2 1/2
 $\triangle ABC$
 1/2 1/2 1/2
 $\triangle DEF$

$\triangle FBC$
 $\triangle FBC$

$AB \parallel HK$ $\triangle AEB \supseteq \triangle KHB \Leftarrow$

$KG \parallel ED$ $\triangle EDB \supseteq \triangle KGB \Leftarrow$

$FA \perp AB$

$ED \perp DC$

\Downarrow

$ED \perp HK \Rightarrow \angle ELK = 90^\circ$

$\angle HKG = 90^\circ$

$KG = \frac{1}{2} ED = \frac{1}{2} AF$
 $HK = \frac{1}{2} AB \Rightarrow \frac{KG}{AF} = \frac{HK}{AB} = \frac{1}{2}$

$\angle HKG = 90^\circ = \angle FAB$

$\Rightarrow \triangle FAB \sim \triangle GKH$