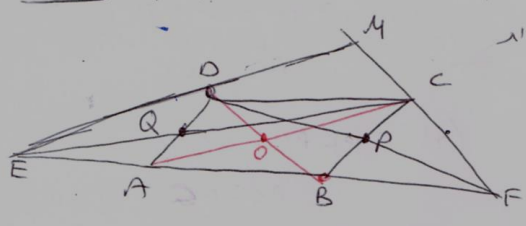


1.2  
3



(S.S.S)  $\triangle DCP \cong \triangle FBP$

$\downarrow$   
 $\triangle DCFB$   $\leftarrow DC = BF$   
 $\downarrow$   
 $MF \perp DB$  (1)  
 $DC \parallel EF$

(S.S.S)  $\triangle DQC \cong \triangle AQE$

$\downarrow$   
 $DC = EA$   
 $ME \parallel AC$  (2)  $\leftarrow \triangle DCAE$   
 $\triangle MCD \leftarrow$  (1)+(2)

$EF = EA + AB + BF = 3DC$

1:2  $S_{ABCD}$       1:3  $S_{MDC} \sim S_{MEF}$   
 $\triangle DQC$   $\leftarrow$   $S_{ABCD}$   $\leftarrow$   $S_{MDC}$

$S_{MDC} = \frac{h \cdot DC}{2}$        $S_{ABCD} = 2h \cdot DC = 4S_{MDC}$