



$\frac{0.5}{4}$

$MF = \frac{1}{2} AC$       $\therefore \text{mid}$   
 $PE = \frac{1}{2} AB$

$FD = \frac{1}{2} AB$  ,      $ED = \frac{1}{2} AC$       $\text{midline } \triangle GP$

(midline)  $\angle E_1 = \angle D_1 \leftarrow FD \parallel AB$       $\text{midline } \triangle GP$   
 $\angle D_1 = \angle F_1 \leftarrow ED \parallel AC$      "

$\angle E_2 + \angle E_1 = 90 + \angle E_1 = 90 + \angle F_1 = \angle F_1 + \angle F$

(3,3,3)  $\triangle MPD \cong \triangle PED$

$\Downarrow$   
 (midline)  $PD = DM$