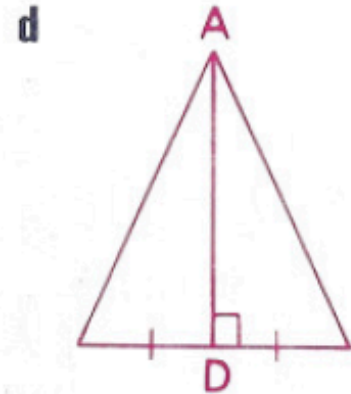
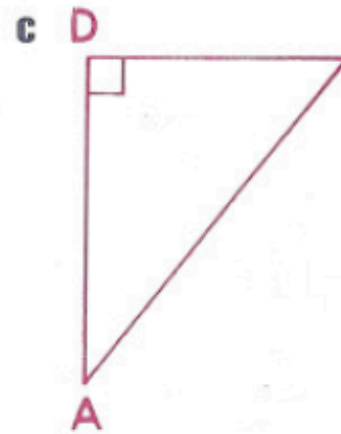
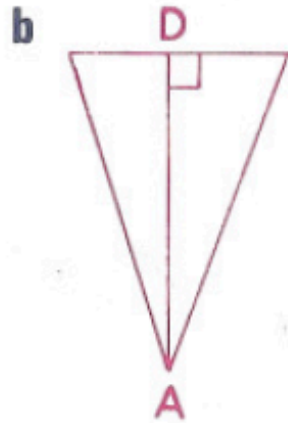


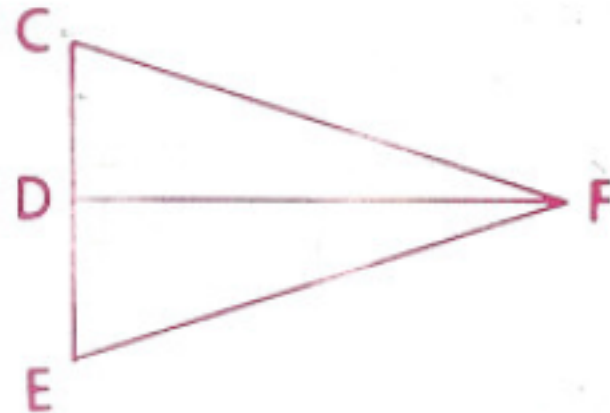
# Homework

p. 135: 1, 4, 5, 6, 12

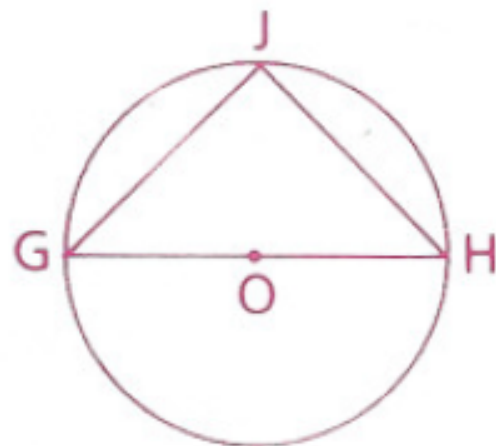
- 1 For the following figures, identify  $\overline{AD}$  as a median, an altitude, neither, or both according to what can be proved.



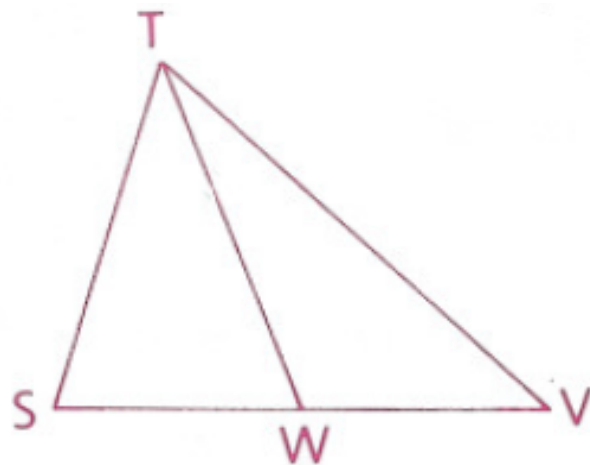
- 4 Given:  $\angle CFD \cong \angle EFD$ ;  
 $\overline{FD}$  is an altitude.  
Prove:  $\overline{FD}$  is a median.



- 5 Given:  $\odot O$ ,  
 $\overline{GJ} \cong \overline{HJ}$   
 Prove:  $\angle G \cong \angle H$



- 6 Given:  $\overline{TW}$  is a median.  
 $ST = x + 40$ ,  
 $SW = 2x + 30$ ,  
 $WV = 5x - 6$   
 Find:  $SW$ ,  $WV$ , and  $ST$



- 12 Given:  $\overline{AC}$  is the altitude to  $\overline{BD}$ .  
 $\overline{AC}$  is a median.  
 $\angle BAC$  is comp. to  $\angle D$ .  
 Conclusion:  $\angle DAC$  is comp. to  $\angle B$ .

