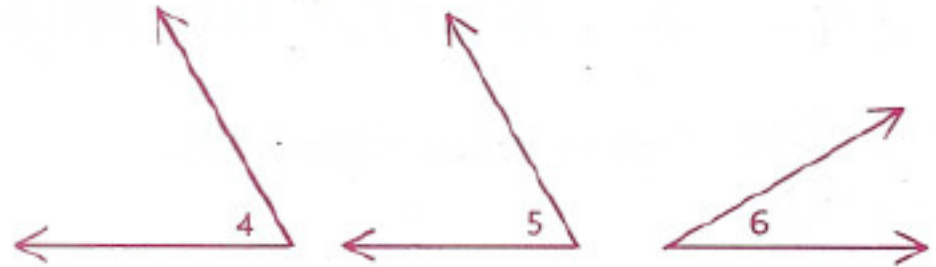


# Homework

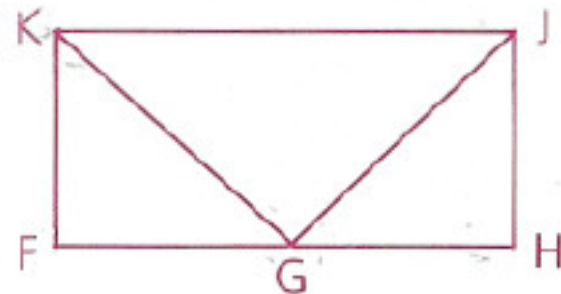
p. 79-80: 3, 7, 8, 14, 15, 20

- 3 Given:  $\angle 4$  is comp. to  $\angle 6$ .  
 $\angle 5$  is comp. to  $\angle 6$ .

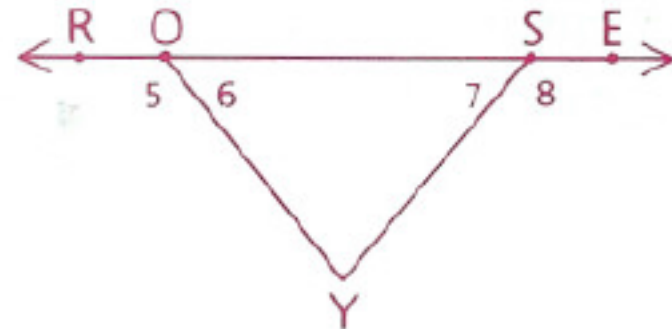
Prove:  $\angle 4 \cong \angle 5$



- 7 Given:  $\angle FKJ$  is a right  $\angle$ .  
 $\angle HJK$  is a right  $\angle$ .  
 $\angle GKJ \cong \angle GJK$   
Conclusion:  $\angle FKG \cong \angle HJG$

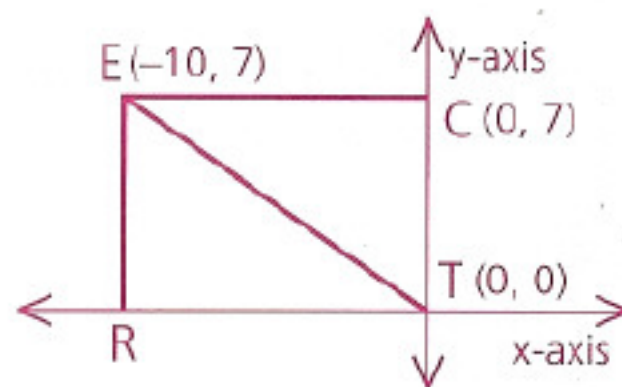


- 8 Given: Diagram as shown,  
 $\angle 6 \cong \angle 7$   
Prove:  $\angle 5 \cong \angle 8$

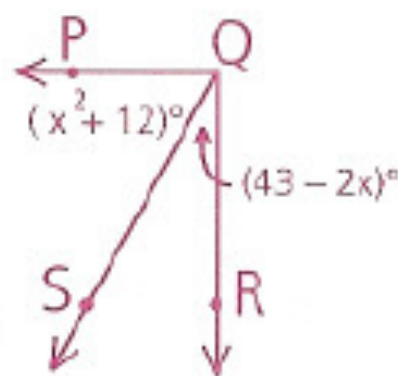


**14** RECT is a rectangle.

- a** Find the coordinates of R.
- b** What do we know about  $\angle RTE$  and  $\angle CTE$ ?
- c** Find the area of  $\triangle ERT$ .



**15** Given:  $\overline{PQ} \perp \overline{QR}$   
Find:  $m\angle PQS$



**20** Given:  $\angle 1 = (x^2 + 3y)^\circ$ ,  
 $\angle 2 = (20y + 3)^\circ$ ,  
 $\angle 3 = (3y + 4x)^\circ$

Find:  $m\angle 1$

