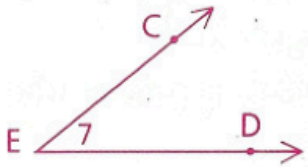
Homework

p. 7-8: 1-4, 6, 10, 11

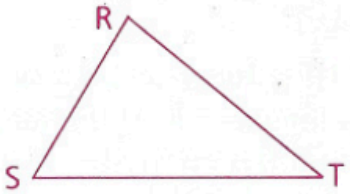
1 What are three possible names for the line shown?

2 What are four possible names for the angle shown?



3 Can the ray shown be called $\overrightarrow{XY}$?

4 Name the sides of △RST.



11 **a** In △HJK, $\overline{HJ}$ is twice as long as $\overline{JK}$ and exactly as long as $\overline{HK}$. If the length of $\overline{HJ}$ is 15, find the perimeter of (the distance around) △HJK.

b If the length of $\overline{HJ}$ were 4x, the length of $\overline{HK}$ were 3x, the length of $\overline{JK}$ were 2x, and the perimeter of △HJK were 63, what would the length of $\overline{HJ}$ be?

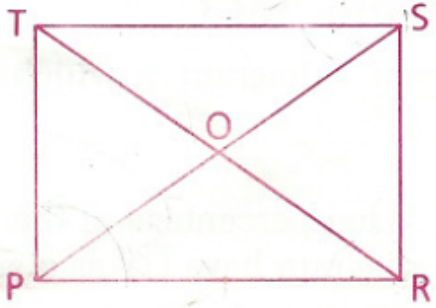
6 **a** Name ∠OPR in all other possible ways.

b What is the vertex of ∠TOS?

c How many angles have vertex R?

d Name ∠TSP in all other possible ways.

e How many triangles are there in the figure?



10 Given a rectangle with sides 2.5 cm and 8.6 cm long, find

a The rectangle's area

b The rectangle's perimeter (the distance around it)