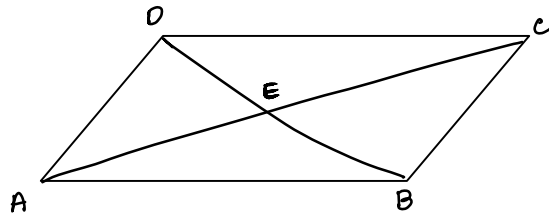


- #5 a. $\overline{AB} \cap \overline{BC}$ **B**
 b. $\overrightarrow{EC} \cup \overrightarrow{EA}$ **\overleftrightarrow{AC} or $\angle CEA$**
 c. $\overline{AC} \cap \overline{DB}$ **E**
 d. $\overline{DC} \cap \overline{AB}$ **\emptyset**
 e. $\overrightarrow{AC} \cap \overrightarrow{EC}$ **\overrightarrow{EC}**
 f. $\overrightarrow{BA} \cup \overrightarrow{BC}$ **$\angle ABC$**
 g. $\overline{EC} \cup \overline{CB} \cup \overline{BE}$ **$\triangle BEC$**



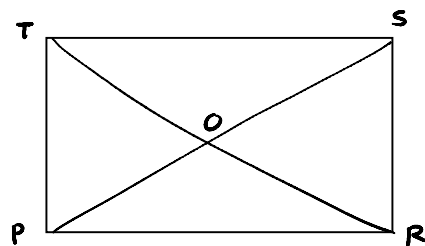
- #6 a. Name $\angle OPR$ in all other possible **$\angle RPO, \angle RPS, \angle SPR$**

- b. What is the vertex of $\angle TOS$ **O**

- c. How many angles have vertex R. **3**

- d. Name $\angle TSP$ in all other possible ways **$\angle PST, \angle TSO, \angle OST$**

- e. How many triangles are there in the figure. **0**



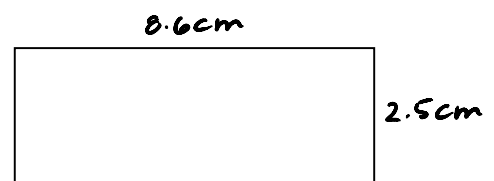
- #8 a. A line is made up of points

- b. An angle is the union of two rays with a common endpoint

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

- a. The rectangle's area **$A = 8.6 \times 2.5$
 $= 21.5 \text{ cm}^2$**

- b. The rectangle's perimeter **$P = 2(8.6) + 2(2.5)$
 $= 22.2 \text{ cm}$**

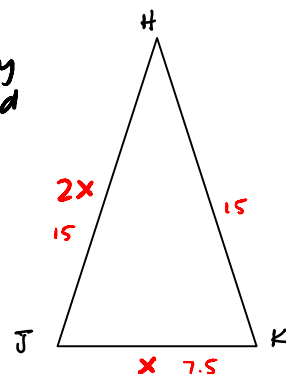


- #11 a. In $\triangle HJK$, \overline{HJ} is twice as long as \overline{JK} and exactly as long as \overline{HK} . If the length of \overline{HJ} is 15, find the perimeter of $\triangle HJK$

$$\begin{aligned} 2x &= 15 \\ x &= 7.5 \\ P &= 15 + 15 + 7.5 = 37.5 \end{aligned}$$

$$\begin{aligned} 4x + 3x + 2x &= 63 \\ 9x &= 63 \\ x &= 7 \end{aligned}$$

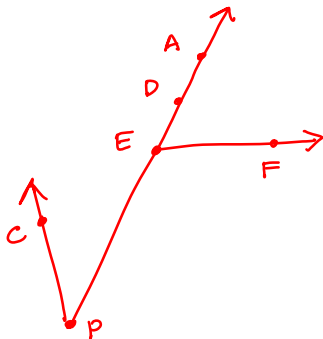
$$\begin{aligned} HJ &= 4(7) \\ &= 28 \end{aligned}$$



#12 Draw a diagram in which $\overline{AB} \cap \overline{CD} = \overline{CB}$



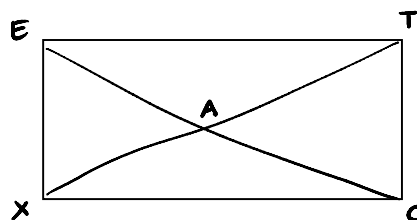
#13 Draw a diagram in which the intersection of $\angle AEF$ and $\angle DPC$ is \overrightarrow{ED}



#14 a. what percentage of Δ 's in the diagram have CT as a side?

Δ 's: $\triangle EAX$ $\triangle EXT$
 $\triangle XAC$ * $\triangle TCX$
 * $\triangle CAT$ $\triangle EXC$
 $\triangle TAE$ * $\triangle CTE$

$$3/8 = 37.5\%$$



b. What percentage have \overline{AC} as a side?

$$2/8 = 25\%$$