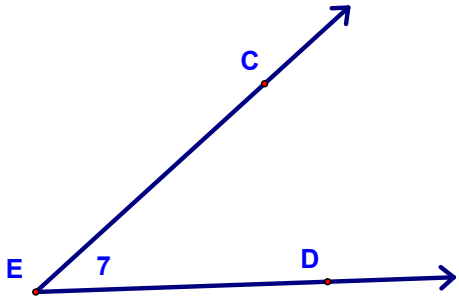
1.

What are the three possible names for the line shown?

2.

What are the four possible names for the angle shown?

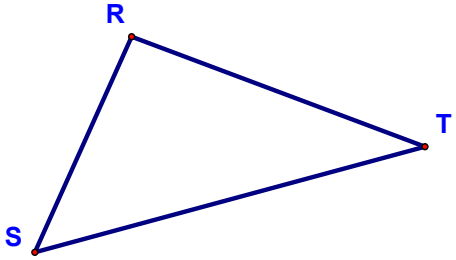


3.

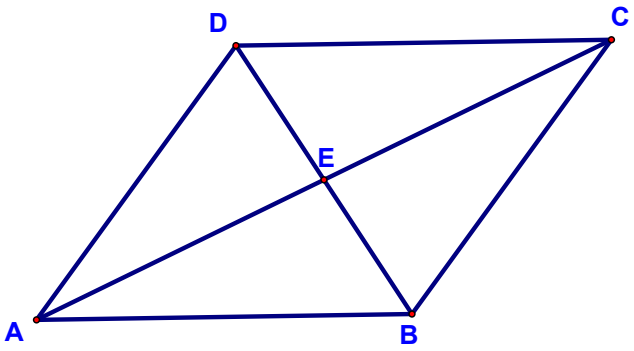
Can the ray shown be called $\overrightarrow{XY}$?

4.

Name the sides of $\triangle RST$.



5.



a. $\overline{AB} \cap \overline{BC}$ =

b. $\overrightarrow{EC} \cup \overrightarrow{EA}$ =

c. $\overleftrightarrow{AC} \cap \overleftrightarrow{DB}$ =

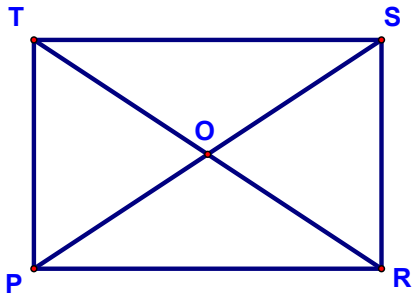
d. $\overline{DC} \cap \overline{AB}$ =

e. $\overrightarrow{AC} \cap \overrightarrow{EC}$ =

f. $\overrightarrow{BA} \cup \overrightarrow{BC}$ =

g. $\overline{EC} \cup \overline{CB} \cup \overline{BE}$ =

6.



a. Name ∠OPR in all possible ways.

b. What is the vertex of ∠TOS?

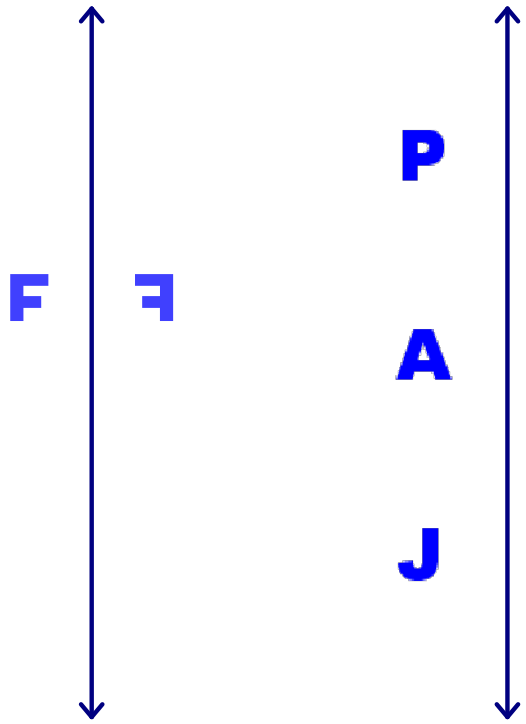
c. How many angles have vertex R?

d. Name ∠TSP is all other possible ways.

e. How many △s are there in the figure?

7.

The figure on the left shows the reflection of the letter F over a line. Draw the reflections of the letters P, A, and J over the line shown on the right.



8.

a. A line is made up of _____.

b. An angle is the union of two _____ with a common _____.

9.

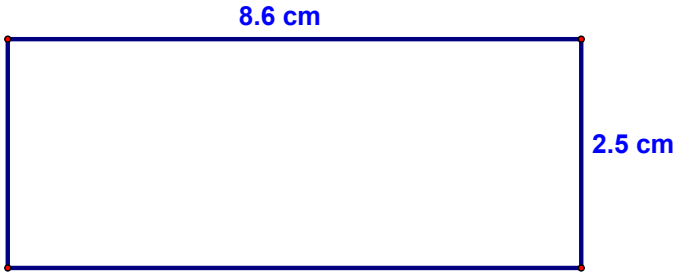
Draw a number line and label point F, G, H, and J with the coordinates $-4\frac{2}{3}$, 2, 5, and 3.5 respectively. One of these points is the *midpoint* (the halfway point) between two others. Which is it?

10.

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

a. The rectangle's area

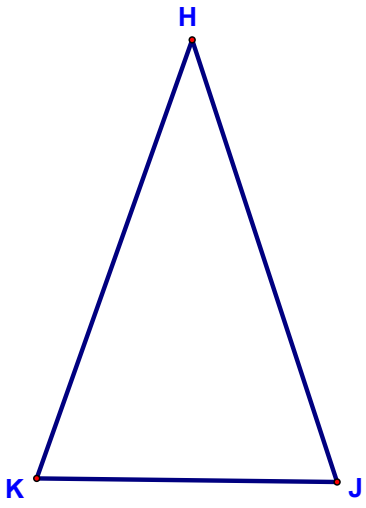
b. The rectangle's perimeter (the distance around it)



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 △HJK.

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



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 $\overleftrightarrow{ED}$.

14.

a. What percentage of the $\triangle$s in the diagram have $\overline{CT}$ as a side?

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