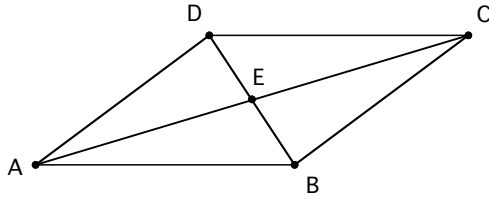


1. Given:



Name each of the following:

- $\overline{AC} \cap \overline{DB} = ?$
- $\overline{DC} \cap \overline{AB} = ?$
- $\overline{AC} \cap \overline{EC} = ?$
- $\overline{BA} \cup \overline{BC} = ?$
- $\overline{EC} \cup \overline{CB} \cup \overline{BE} = ?$

How many angles have their vertex at B ?How many angles have their vertex at E ?2. Draw a diagram in which $\overline{AB} \cap \overline{CA} = \overline{AC}$.3. Draw a diagram in which $\triangle ABC \cap \overline{DE} = \{F\}$.

4. a) If a straight angle is bisected, what type of angle is each of the resulting angles?

b) If an obtuse angle is bisected, what type of angle is each of the resulting angles?

5. Solve for all values of x :

$$\frac{4}{3x} - \frac{x}{x+3} = \frac{1}{x}$$