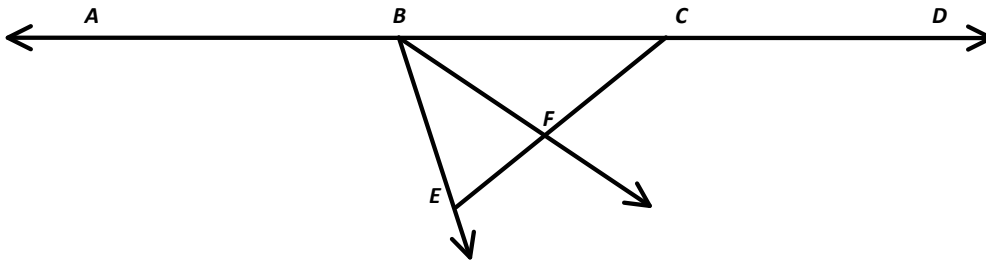


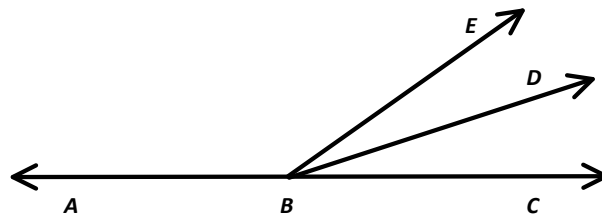
## Angle Measure

Directions: Refer to the figure below for questions 1–5.



1. Name two angles that have  $C$  as a vertex.
2. If  $\overline{BF}$  bisects  $\angle CBE$ , name two congruent angles.
3. List all the angles that have  $B$  as the vertex.
4. Name a pair of opposite rays.
5. Name the sides of  $\angle ABE$ .

Directions: Refer to the figure below for questions 6–10.  $\overline{BA}$  and  $\overline{BC}$  are opposite rays and  $\overline{BD}$  bisects  $\angle CBE$ .



6. If  $m\angle EBD = 3x - 4$  and  $m\angle DBC = 2x + 1$ , find  $m\angle EBD$ .
7. If  $m\angle EBC = 5x + 6$  and  $m\angle EBA = 3x + 10$ , find  $m\angle EBA$ .
8. If  $m\angle DBC = x + 4$  and  $m\angle EBC = 7x - 12$ , find  $m\angle EBD$ .
9. If  $m\angle ABE = 2x + 40$  and  $m\angle EBD = 3x$ , find  $m\angle ABE$ .
10. If  $m\angle EBC$  is a right angle and  $m\angle DBC = 12x + 9$ , find  $m\angle EBD$ .