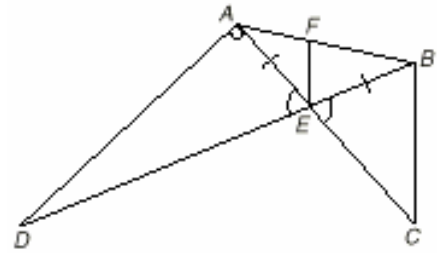


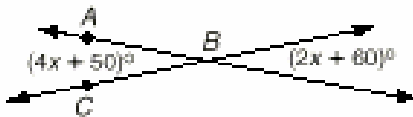
Refer to the figure at the right to answer each question.

1. Name a pair of vertical angles.
2. Can you assume that $\angle EFB$ is a right angle from the figure?
3. Which angle is supplementary to $\angle FEB$?
4. Can you assume $\overline{AE} \cong \overline{BE}$?
5. Can you assume that \overline{FE} bisects \overline{AB} from the figure?
6. Name an angle adjacent, but not supplementary, to $\angle DEA$.

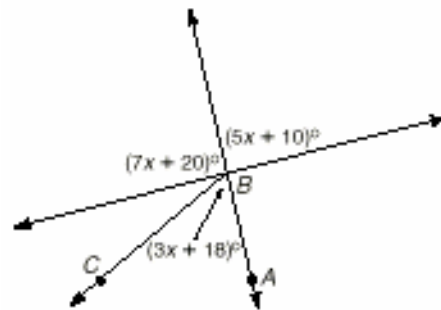


Find the value of x and $m\angle ABC$.

7.



8.



9. Given $\angle A$ and $\angle B$ are supplementary and $m\angle A = 7m + 4$ & $m\angle B = 4m + 9$. Find each angles measure.
10. What are the measure of two supplementary angles if the difference in the measures of the two angles is 25° ?
11. Given $\angle H$ & $\angle J$ are complementary angles and the measure of $\angle H$ is five less than four times the measure of $\angle J$, find each angle measure.
12. The measure of an angle is 44° more than the measure of its complement. Find each angle measure.