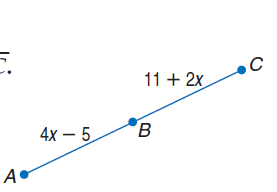
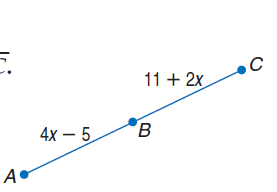
**ACC Geometry**

**Advanced Angle and Segment Relationships: Class Work**



1. Find the measure of if B is the midpoint of .

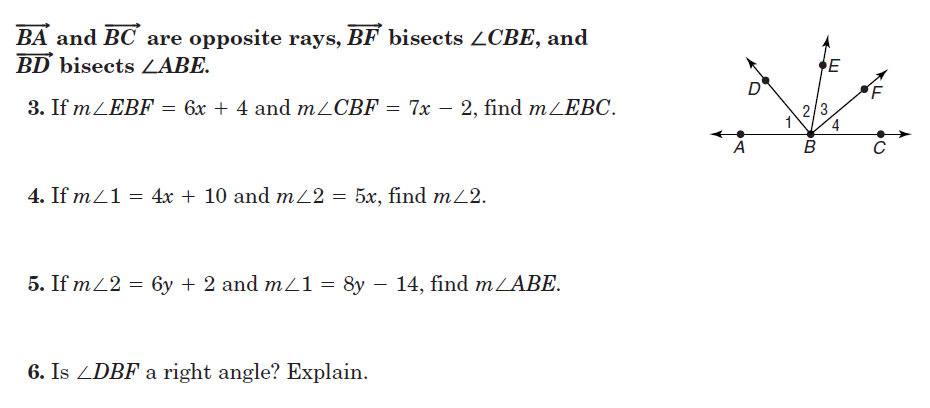
**Find the value of the variable and ST if S is between R and T. Justify your steps.**

2. 3.

4.

**bisects <CBE and bisects <ABE. Justify your steps.**

5. What does it mean to bisect an angle? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. If and , find .

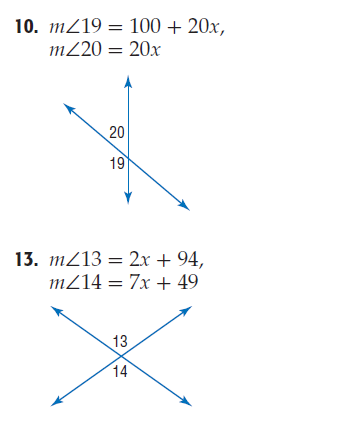
7. If and , find .

8. If and , find .

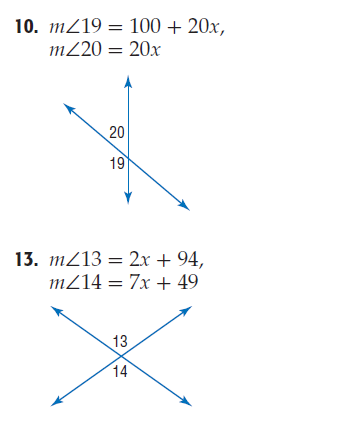
9. Is a right angle? Explain.

**Justify your steps.**

10. Find x.



11. Find x.



12. The measures of two complementary angles are and . Find the measures of both angles.

**13.** Find the measures of an angle and its complement if one angle measures 18 degrees more than the other.

**14.** The measure of the supplement of an angle is 36 less than the measure of the angle. Find the measures of the angles.