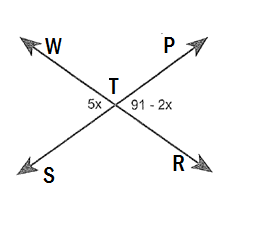
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Angle Relationships: Day 2 HW

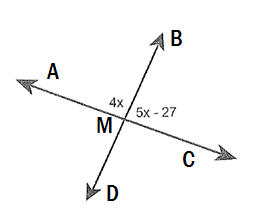
Directions: Determine what concept you are using, WRITE THE GEOMETRIC SET UP and write the justification as part of your work.

1. Find x.

Geometry: Justify:

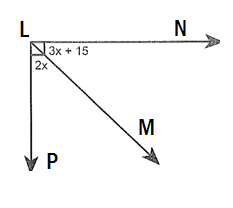


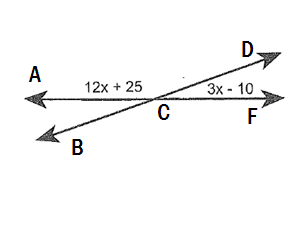
2.) Find x.





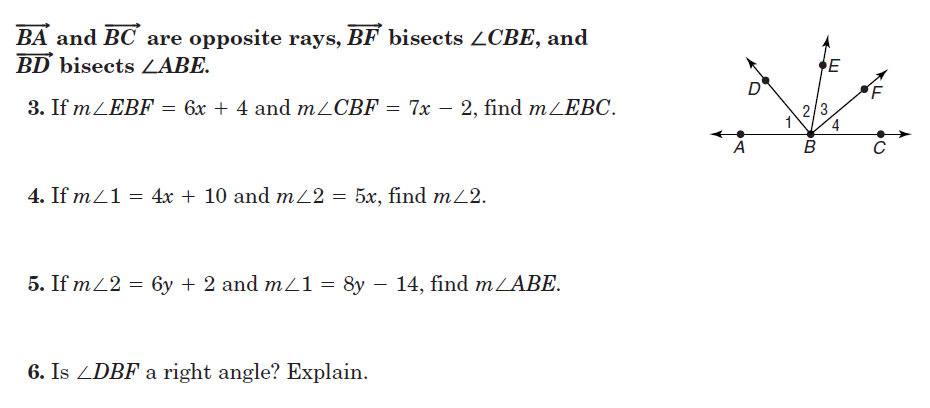
3.) Find x.



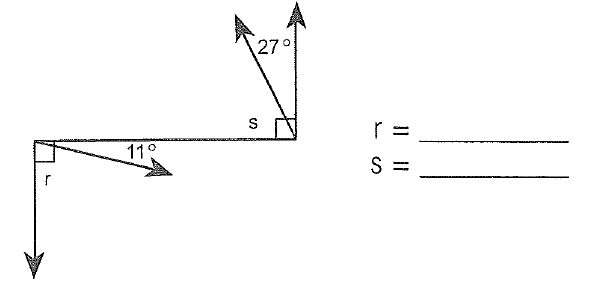
4. Find x.

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

5. If and , find the possible value(s), if any, of the . You must check your work for credit.

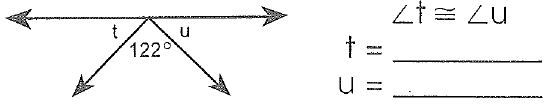


**Quick Angles Practice: Find the value of the variables. NO JUSTIFICATIONS NEEDED!**

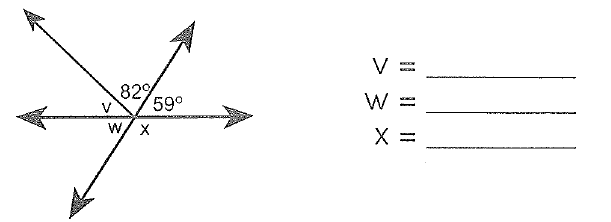


5.

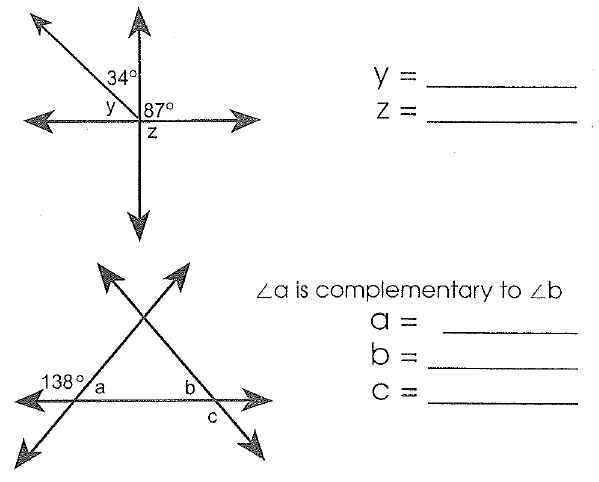
35°

6. 

**110°**



7.

8.

**84°**

9.

Angle Bisector Review

For questions 1-5, use the figure at the right to complete each statement.



55°

<BAD

AC

6. is an angle bisector of <ABC and is an angle bisector of <EBC

If <ABC= 168° Find the measures of

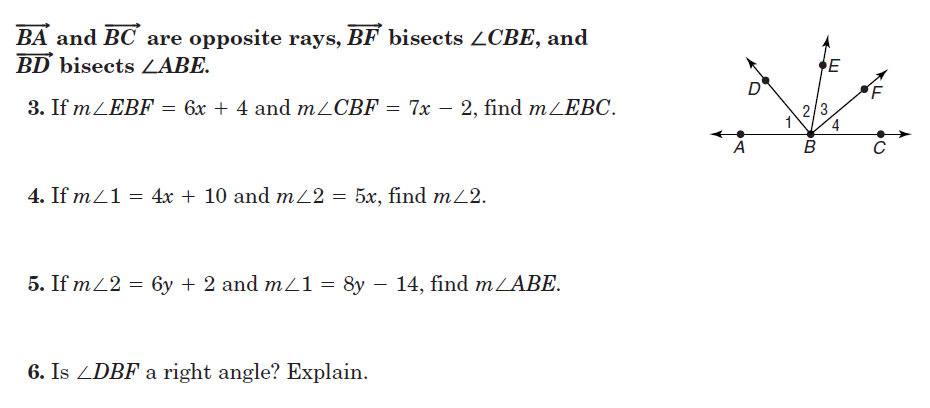
<ABE= \_\_\_\_\_\_\_\_\_\_\_\_\_

<EBC= \_\_\_\_\_\_\_\_\_\_\_\_\_

<EBD= \_\_\_\_\_\_\_\_\_\_\_\_\_

<CBD= \_\_\_\_\_\_\_\_\_\_\_\_\_

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

7. If and , find the possible value(s), if any, of . You must check your work.

