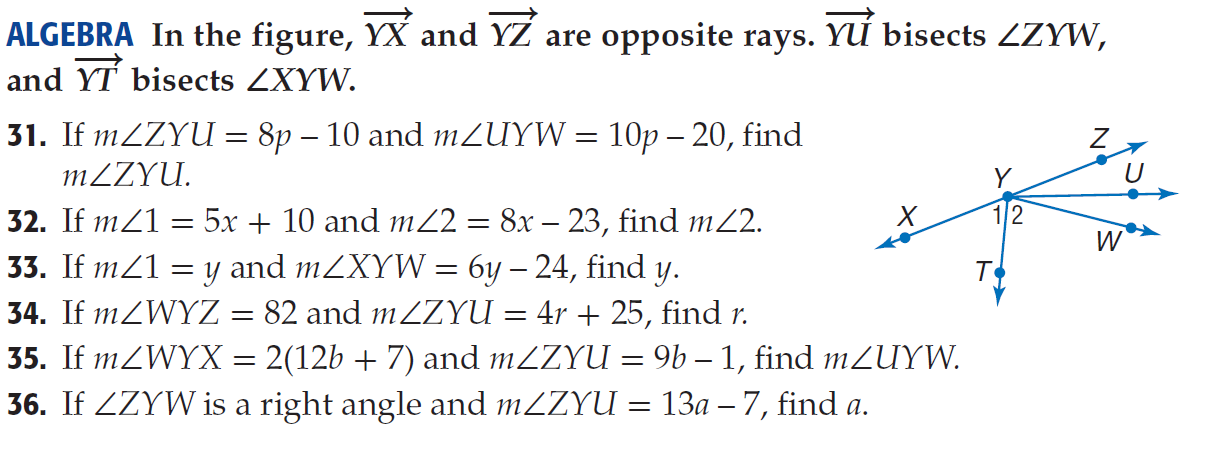
Angle Relationships – Day \_\_\_\_\_\_\_

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

Advanced Angle Relationships: Homework #2

**In the figure, are opposite rays. bisects , and bisects . Show your work. Justify steps!**

1. If and , find .

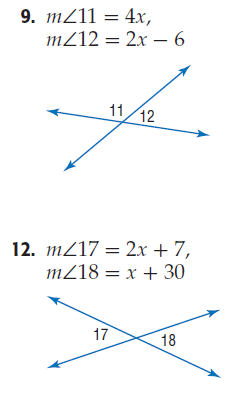
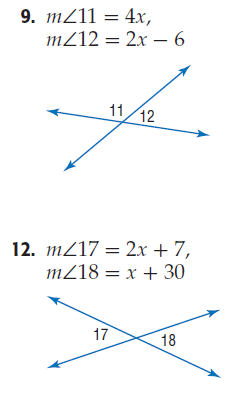
2. If the and the , find .

3. If and , find y.

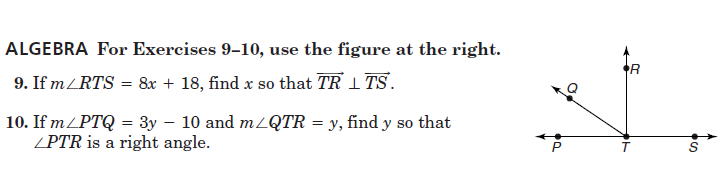
4. if and , find r.

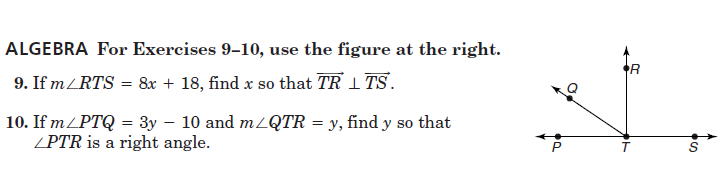
5. If and , find .

**Find x and the measure of each angle. Justify steps!**

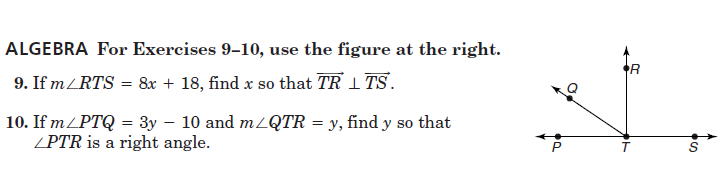


6. 7.





8.



9.

10. Find m<T if m<t is 20 more than four times the measure of its supplement.

11. Find the measures of the two complementary angles: <A and <B, if <A is four times less than <B.