**Angle Relationships Day 3 HW**

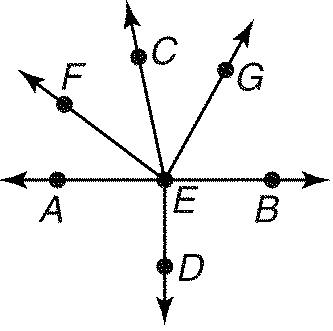
**Find the value of the variable and find the m<PQR. Justify steps!**

1.

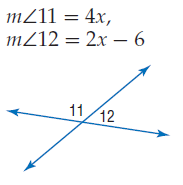
2. In the figure, are opposite rays.

bisects , and .

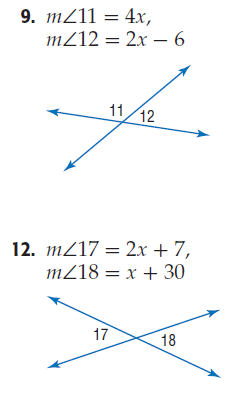
Find the possible values for x. Make sure to check your work and justify your steps.

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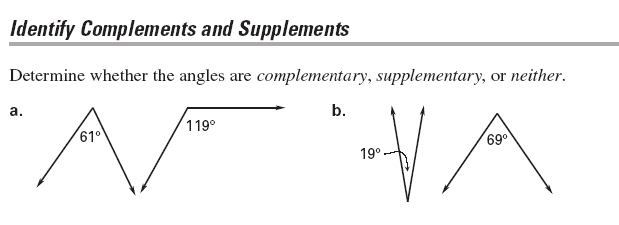
3. . Find the possible value(s) for x. Make sure to justify your steps and check your work.



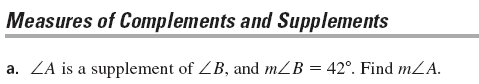
4. . Find the possible value(s) for x. Make sure to justify your steps and check your work.



**Rapid Practice: No justifications!**

5.

6.





**Decide whether the statement is *true or false*. If the statement if false, reword the statement so it is true.**

7. Two angles are complementary if the sum of their measures is 180°

8. Two angles are supplementary if the sum of their measures is 180°

9. Two angles are adjacent angles if they share a common vertex.

**Determine whether the angles are complementary, supplementary or neither.**



10. 11. 12.

**Find the measure of the complement of the given angle.**



13. 14. 15.

**Find the measure of the supplement of the given angle.**



16. 17. 18.

**Find the measure of EACH numbered angle.**



19. 20. 21.



22. 23. 24.