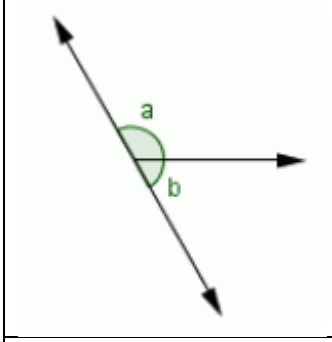
NAME: _____ PERIOD: _____ DATE:_____

Geometry Part 3A Study Guide – Math 6A

PART 1 (Multiple Choice): Circle the correct answer.

1. What is the classification of the pair of angles shown?

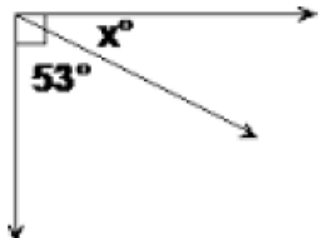


A.) supplementary

B.) vertical

C.) complementary

2. What is the classification of the pair of angles shown?

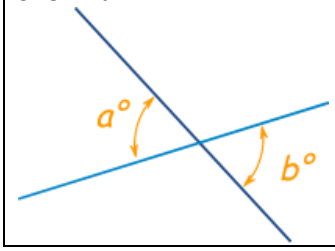


A.) supplementary

B.) vertical

C.) complementary

3. What is the classification of the pair of angles shown?

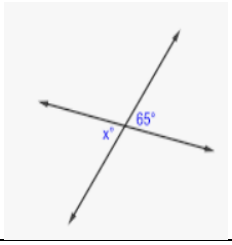


A.) supplementary

B.) vertical

C.) complementary

4. What is the measure of angle X?



A.) 115 degrees

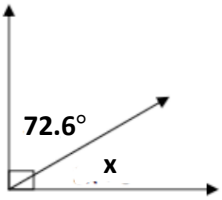
B.) 65 degrees

C.) 90 degrees

D.) 180 degrees

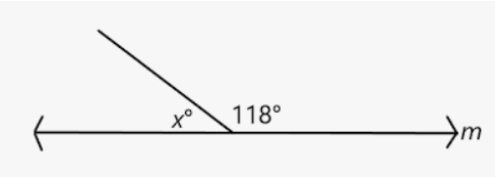
PART 2 (Short Answer): Show all work.

5. Set up & solve an equation to find the measure of angle x.



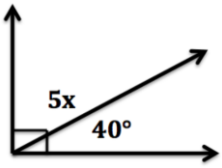
measure of angle x = _____ degrees

6. Set up & solve an equation to find the measure of angle m.



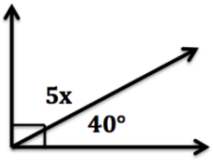
measure of angle m = _____ degrees

7. Set up & solve an equation to find the value of x.



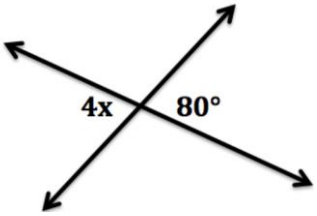
x = _____

8. Use your answer from question 7 to find the measure of the missing angle. Show your work.



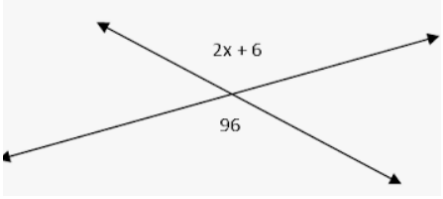
_____ degrees

9. Set up & solve an equation to find the value of x.



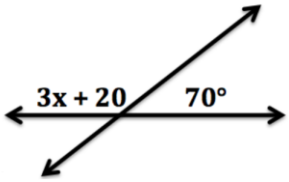
x = _____

10. Set up & solve an equation to find the value of x.



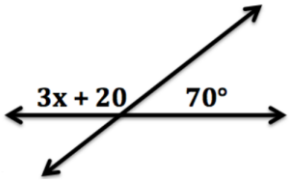
x = _____

11. Set up & solve an equation to find the value of x.



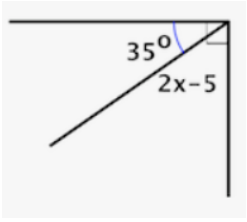
x = _____

12. Use your answer from question 11 to find the measure of the missing angle. Show your work.



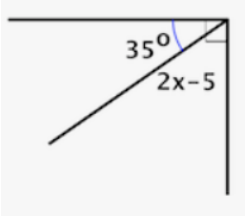
_____ degrees

13. Set up & solve an equation to find the value of x.



x = _____

14. Use your answer from question 13 to find the measure of the missing angle. Show your work.



_____ degrees