

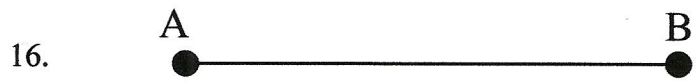
Name: _____ Period: _____

SM2 9.1 Angles and lines

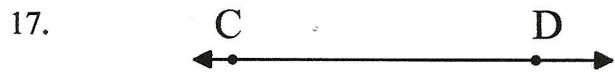
Match the following definitions.

1. Ray _____
 2. Line _____
 3. Line segment _____
 4. Angle _____
 5. Vertex _____
 6. Acute angle _____
 7. Obtuse angle _____
 8. Right angle _____
 9. Straight angle _____
 10. Supplementary angles _____
 11. Complementary angles _____
 12. Adjacent angles _____
 13. Linear pair _____
 14. Point _____
 15. Vertical Angle _____
- A. Measure is exactly 180° .
 - B. Angles whose measures add up to 90° .
 - C. Two rays (the *sides*) that share an endpoint (the *vertex*).
 - D. A location in space.
 - E. Measure is between 0° and 90° .
 - F. Two angles that share a side.
 - G. Part of a line with two endpoints.
 - H. Angles whose measures add up to 180° .
 - I. Extends forever in two directions.
 - J. Two angles that add up to a straight angle. The non-common sides form a straight line.
 - K. Measure is exactly 90° .
 - L. The angles across from each other when two lines cross.
 - M. The endpoint of the rays that form an angle.
 - N. Measure is between 90° and 180° .
 - O. Part of a line that starts at a point and extends forever in the other direction.

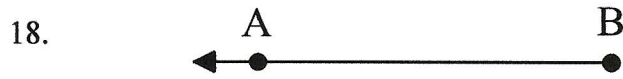
Name each figure, using correct notation.



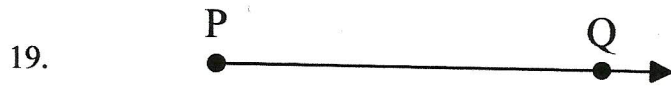
16. _____



17. _____



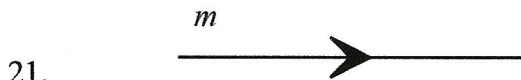
18. _____



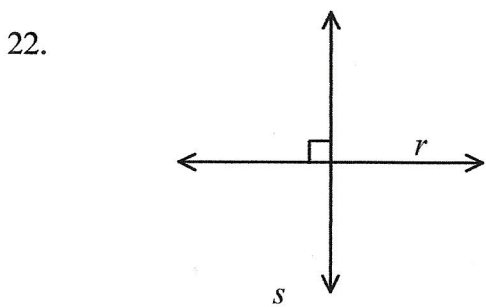
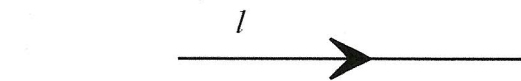
19. _____



20. _____



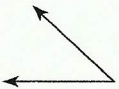
21. _____



22. _____

Classify each angle as acute, obtuse, right, or straight.

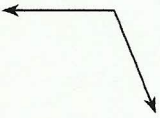
23)



24)



25)



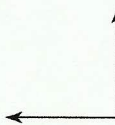
26)



27)



28)



29) 136°

30) 156°

31) 23°

32) 90°

33) 53°

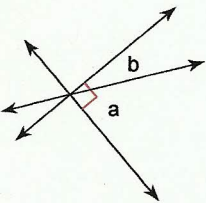
34) 161°

35) 80°

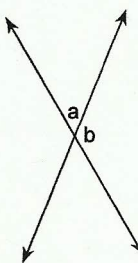
36) 180°

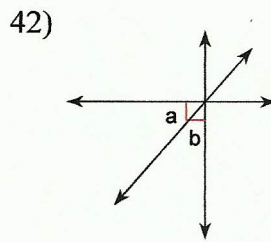
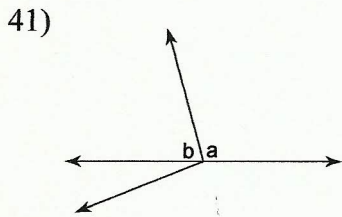
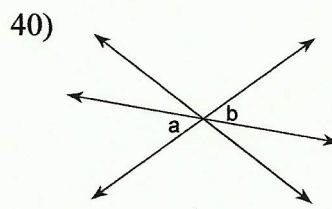
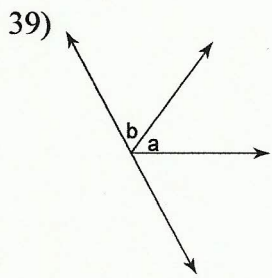
Name the relationship: complementary, supplementary, linear pair, vertical, or adjacent. More than one term can apply.

37)

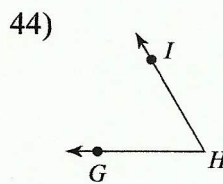
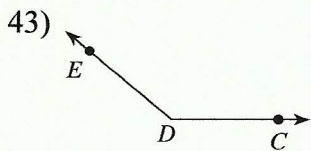


38)

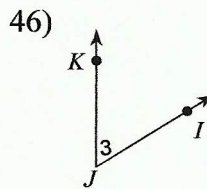
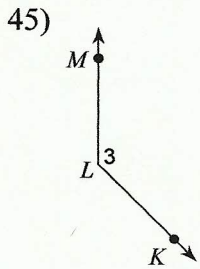




Name the vertex and sides of each angle.



Name each angle in four ways.



Name all the angles that have V as a vertex.

