

Name: _____

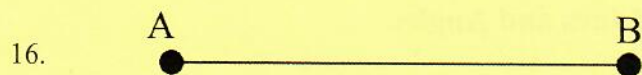
Period: _____

SM2H 7.1 HW-Parallel Lines and Angles

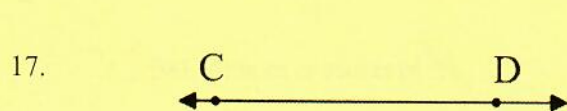
Match the following definitions.

1. Ray O2. Line I3. Line segment G4. Angle C5. Vertex M6. Acute angle E7. Obtuse angle N8. Right angle K9. Straight angle A10. Supplementary angles H11. Complementary angles B12. Adjacent angles F13. Linear pair J14. Point D15. Vertical Angle L~~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.

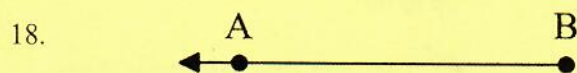
Name each figure, using correct notation.



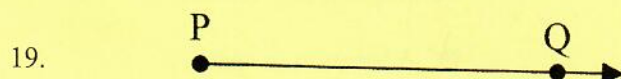
16. \overline{AB}



17. \overrightarrow{CD}



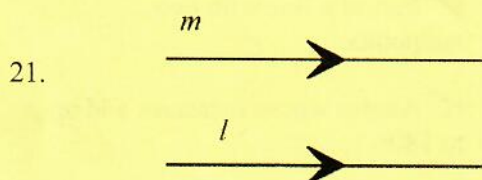
18. \overrightarrow{BA}



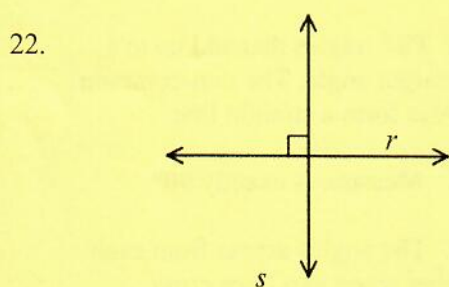
19. \overrightarrow{PQ}



20. G



21. $m \parallel l$



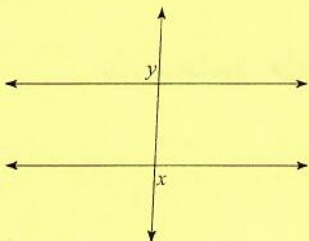
22. $r \perp s$

7.1 Parallel Lines and Angle Relationships

Date _____ Period _____

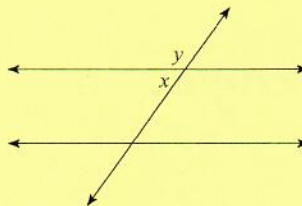
Identify each pair of angles as corresponding, alternate interior, alternate exterior, same-side interior, vertical, adjacent, complementary or supplementary.

1)



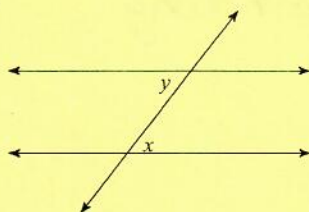
alternate exterior

2)



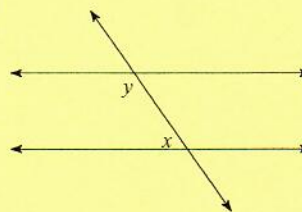
supplementary

3)



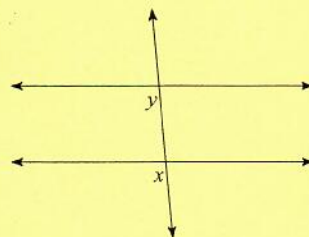
alternate interior

4)



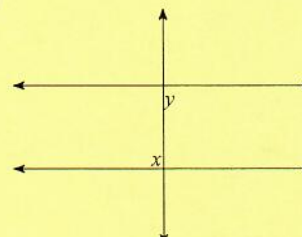
same-side interior

5)



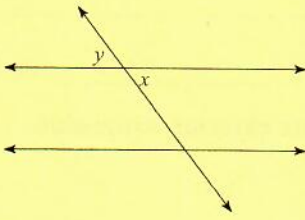
corresponding

6)



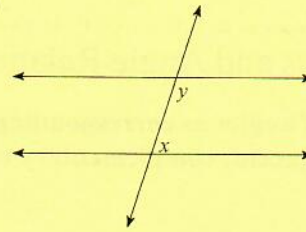
alternate interior

7)



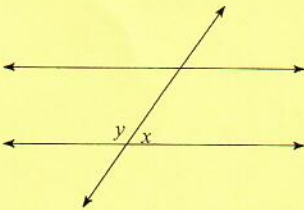
Vertical angles

8)



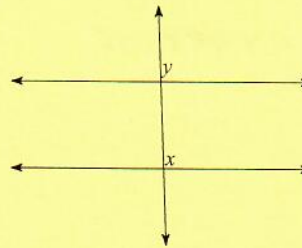
Same-side interior

9)



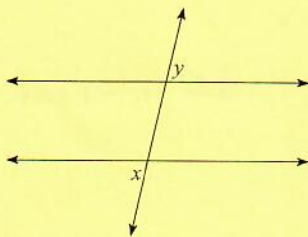
Supplementary

10)



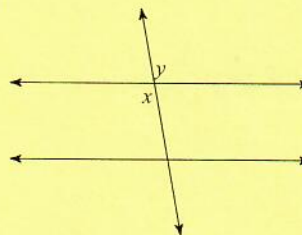
Corresponding

11)



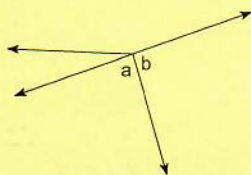
alternate exterior

12)



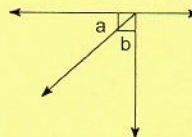
vertical angles

13)



Supplementary

14)



Complementary