SM2H

Name:_____ Period: Key

SM2H 9.1 HW-Parallel Lines and Angles

Match the following definitions.

1. Ray O
2. Line I
3. Line segment G
4. Angle C
5. Vertex M
6. Acute angle E
7. Obtuse angle N
8. Right angle K
9. Straight angle A
10. Supplementary angles H
11. Complementary angles B
12. Adjacent angles F
13. Linear pair J
14. Point D
15. 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°.

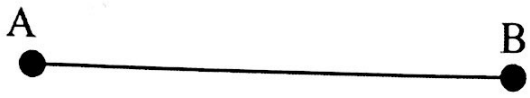
L. The angles across from each other when two lines cross.

M. The endpoint of the rays that form an angle.

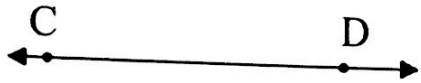
N. Measure is between 90° and 180°.

O. Part of a line that starts at a point and extends forever in the other direction.

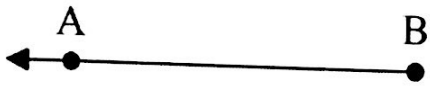
Name each figure, using correct notation.

16. 

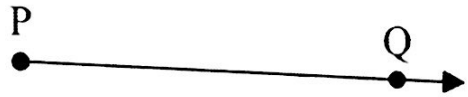
16. $\overline{AB}$

17. 

17. $\overleftrightarrow{CD}$

18. 

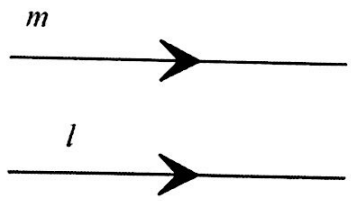
18. $\overrightarrow{BA}$

19. 

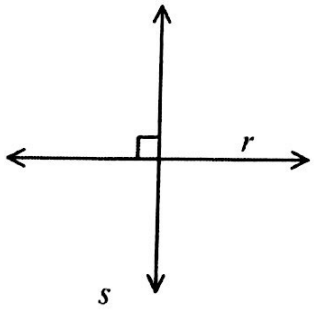
19. $\overrightarrow{PQ}$

20. 

20. G

21. 

21. $m \parallel l$

22. 

22. $s \perp r$

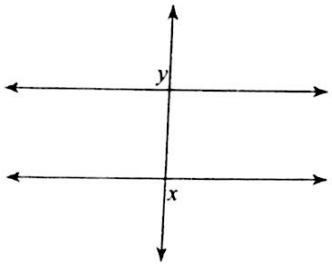
Name_____

9.1 Parallel Lines and Angle Relationships

Date_____ Period____

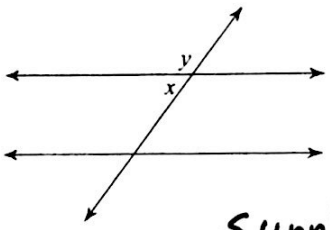
Identify each pair of angles as corresponding, alternate interior, alternate exterior, same-side interior, vertical, adjacent, complementary or supplementary.

1)



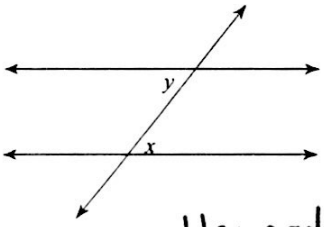
alternate exterior

2)



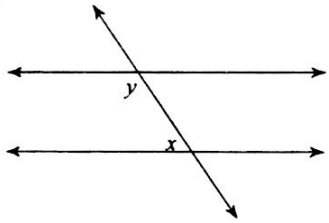
supplementary

3)



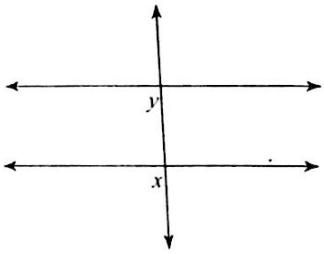
alternate interior

4)



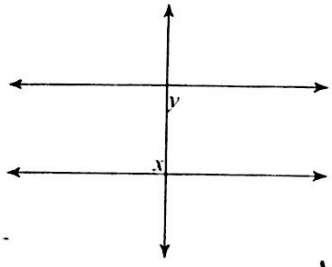
same side interior

5)



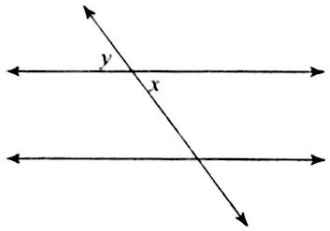
corresponding

6)



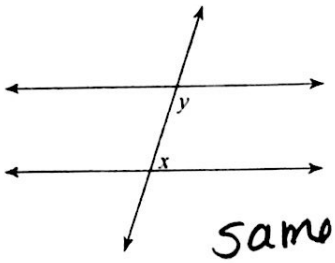
alternate interior

7)



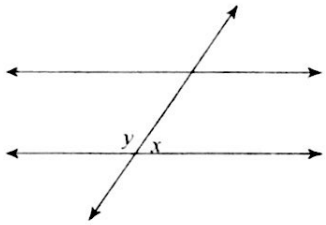
Vertical

8)



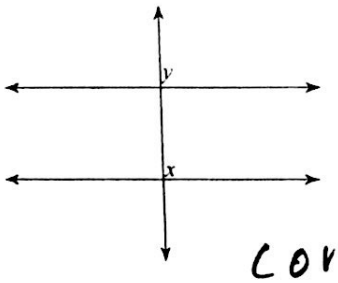
same side interior

9)



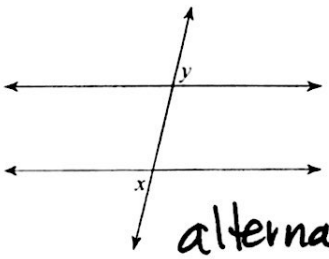
Supplementary
or
Linear pair

10)



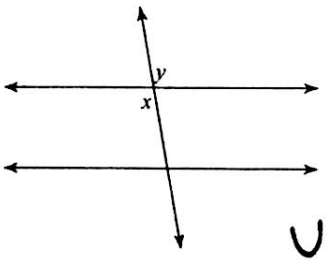
corresponding

11)



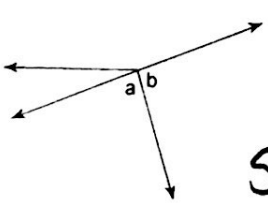
alternate
exterior

12)



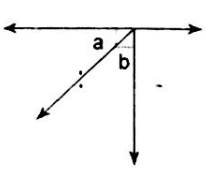
vertical

13)



Supplementary
or
Linear Pair

14)



Complementary