Name_____**Date**_____**Class**_____

Worksheet: Undefined Terms and Other Terminology
Geometry

Illustrate the following vocabulary.

1. Collinear Points

2. Coplanar Points

3. Ray RT

4. Noncoplanar Points

5. Noncollinear Points

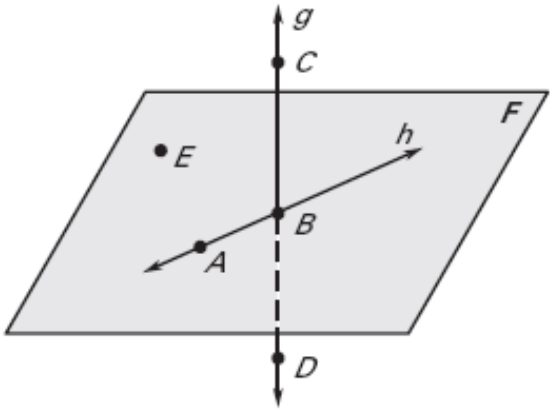
6. Line RT

7. Segment RT

8. Plane DFC

9. Point M

Use to diagram at the right for Questions 10-17.



10. Give two other names for $\overleftrightarrow{AB}$.

11. Name three points that are collinear.

12. Give another name for plane F.

13. Name a point that is noncoplanar with A, B, and C.

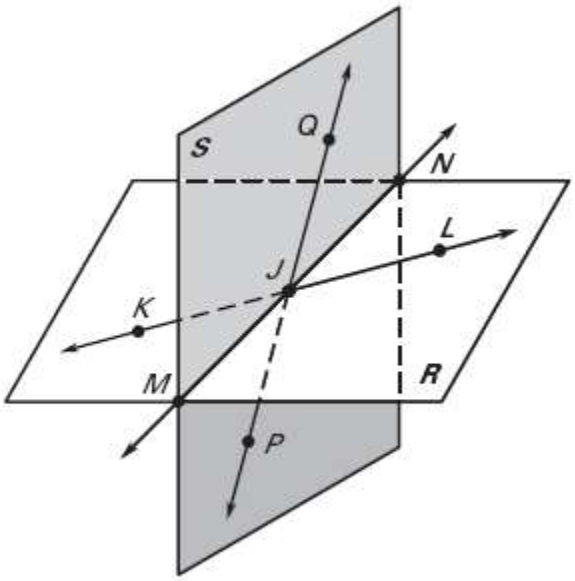
14. Give another name for $\overline{CD}$.

15. Name a pair of opposite rays.

16. Name the intersection of line h and plane F.

17. What is the intersection of $\overleftrightarrow{AB}$ and $\overleftrightarrow{DC}$?

Use the diagram at the right for Questions 18-24.



18. Are points J, K, and M collinear?

19. Are points J, K, and M coplanar?

20. Are points Q, J, and P collinear?

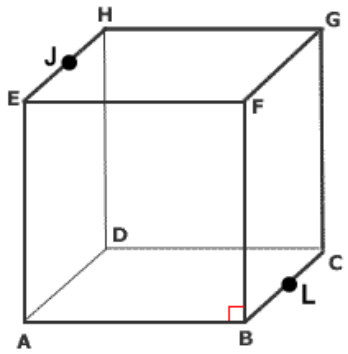
21. Are points Q, J, M, and L coplanar?

22. Name the intersection of $\overleftrightarrow{KL}$ and $\overleftrightarrow{PQ}$.

23. Name the intersection of $\overleftrightarrow{PQ}$ and plane KMN.

24. Name the intersection of plane R and plane S.

Use the diagram at the right for Questions 25-32.



25. Name a point collinear with points E and H.

26. Name a point that is collinear with points B and L.

27. Name a point that is not collinear with points E and H.

28. Name a point that is not collinear with points B and L.

29. Name a point that is coplanar with points D, A, and B.

30. Name a point that is coplanar with points C, G, and F.

31. Name the intersection of plane AEH and plane FBE.

32. Name the intersection of plane BGF and plane HDG.

Match the symbol with its appropriate meaning.

33. _____ ≤

34. _____ $\overrightarrow{GH}$

35. _____ ≠

36. _____ <

37. _____ ≅

38. _____ •

39. _____ //

40. _____ =

41. _____ >

42. _____ °

43. _____ $\overleftrightarrow{GH}$

44. _____ $\overline{GH}$

45. _____ ~

46. _____ ≥

47. _____ ⊥

48. _____ ∠

A. Line
B. Less than
C. Perpendicular
D. Degree
E. Equal to
F. Greater than or equal to
G. Ray
H. Similar
I. Less than or equal to
J. Congruent
K. Angle
L. Parallel
M. Not equal to
N. Point
O. Greater than
P. Segment

49. How many undefined terms are in Euclidean geometry? _____

What are they? _____

Complete the statement with always, sometimes, or never. Explain your reasoning.

50. A line _____ has endpoints.

51. A line and a point _____ intersect.

52. A plane and a point _____ intersect.

53. Two planes _____ intersect in a line.

54. Two points _____determine a line.

55. Any three points not on the same line _____ determine a plane.

56. Two lines that are not parallel _____ intersect.

Relate the following geometric terms to real life. What are two examples of each?

57. Plane _____

58. Line _____

59. Ray _____

60. Point _____

61. Segment _____

Algebra Review: Simplify.

62. $|6+2|$ **63.** $|3-9|$ **64.** $|-8-2|$ **65.** $|7-11|$

Algebra Review: Solve each equation.

66. $18+x=43$ **67.** $x-23=19$ **68.** $x-15=7$