Geometry Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review 1.1 – 1.3 Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_

Directions: Use the diagram at the right to answer the following questions.

P

X

N

M

T

R

S

O

1. Name a point coplanar with N, R, and T. \_\_\_\_\_\_

2. Name a point coplanar with N, O, and P. \_\_\_\_\_\_

Directions: Use the diagram to find the following intersections.

3. Plane OPM and . 3. \_\_\_\_\_\_\_\_\_\_

4. and . 4. \_\_\_\_\_\_\_\_\_\_

5. Plane XTR and . 5. \_\_\_\_\_\_\_\_\_\_

6. Plane ONR and Plane PXS. 6. \_\_\_\_\_\_\_\_\_\_

7. Plane MTR and Plane ONM. 7. \_\_\_\_\_\_\_\_\_\_

Directions: State when the following lines are parallel, intersecting, or skew.

8. and 8. \_\_\_\_\_\_\_\_\_\_

9. and 9. \_\_\_\_\_\_\_\_\_\_

10. and 10. \_\_\_\_\_\_\_\_\_\_

11. and 11. \_\_\_\_\_\_\_\_\_\_

Directions: Determine whether each statement is true or false.

12. E, A, and D are collinear 12. \_\_\_\_\_\_\_\_\_\_

A

B

C

D

E

F

*Q*

13. and  are the same set of points 13. \_\_\_\_\_\_\_\_\_\_

*G*

14. and D are coplanar 14. \_\_\_\_\_\_\_\_\_\_

15. E, B, and F are coplanar 15. \_\_\_\_\_\_\_\_\_\_

16. G, B, and F are coplanar 16. \_\_\_\_\_\_\_\_\_\_

17. E, B, C, and G are coplanar 17. \_\_\_\_\_\_\_\_\_\_

18.  and  are coplanar 18. \_\_\_\_\_\_\_\_\_\_

19. F and C are collinear 19. \_\_\_\_\_\_\_\_\_\_

20. A, E, C, and D are coplanar. 20. \_\_\_\_\_\_\_\_\_\_

Directions: Find the next two terms in each sequence.

21. 5, 12, 19, 26, 33, \_\_\_\_\_, \_\_\_\_\_ 22. 0, 2, 6, 14, 30, \_\_\_\_\_, \_\_\_\_\_

23. 4, 12, 36, 108, 324, \_\_\_\_\_, \_\_\_\_\_ 24. -7, -6, -3, 2, 9, \_\_\_\_\_, \_\_\_\_\_

Directions: Find a counterexample to show that the statement is false.

25. *If the product of two numbers in even, then the two numbers must be even.*

* Counterexample: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

26. *For all numbers x, the expression x2 is greater than x.*

* Counterexample: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: Use each diagram to answer the following questions.

R

W

27. Name the line in as many ways possible

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

E

G

28. Name the following ray.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

29. Name the line seven ways.

L

M

R

l

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

30. True or False: The endpoints of a triangle are collinear.