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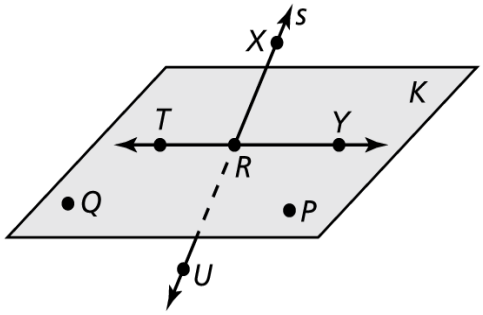
You must show your work to receive credit!

SECTION 1 on the Unit 1 Test cover these topics

Lesson 1.1 (1-6)

For 1-6, use the following figure.



1. Give another name for plane *K*?

2. Give another name for line *s*?

3. Name two rays.

4. Name 3 collinear points.

5. Name two opposite rays.

6. How many points are required to name a:

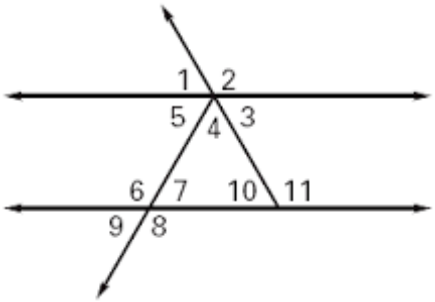
point = ____ line = ____ plane = ____

Lessons 1.5 and 1.6 (7-12)

7. ∠A and ∠B are supplementary angles. If m∠A = 27°. Find m∠B.

8. ∠B is a complement of ∠A and m∠A = 85°. Find m∠B.

For #9-12, use the figure.



9. Identify the linear pair(s) that include ∠1.

10. Identify the linear pair(s) that include ∠6.

11. Are ∠9 and ∠7 vertical angles?

12. Are ∠4 and ∠2 vertical angles?

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SECTION 2 on the Unit 1 Test cover these topics

Lesson 1.2 (13-16)

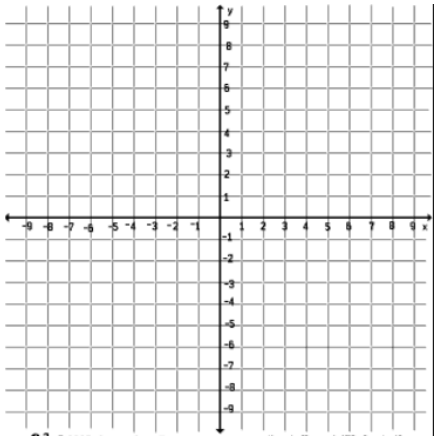
For #13-14, find the distance between the two points. *(*Show your work in the space provided. Round your answers to the nearest tenth.)

13. R(7, -1) and M(-2,4)

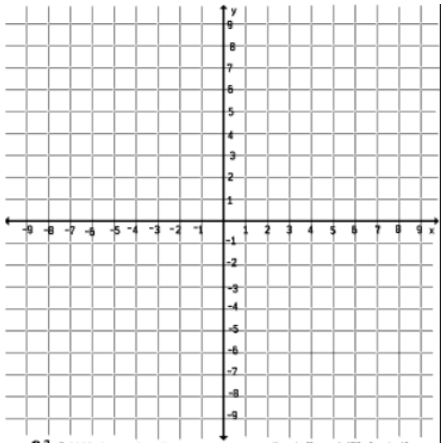
14. G(-5,4) and H(2,6)

For #15-16, Use the graphs below to find the distance between points *A* and *B*. *(*Show your work in the space provided. Round your answers to the nearest tenth.)

15. A(0,2), B(-3,8)



16. A(1,4), B(5,1)



Lesson 1.3 (17-20)

For #17-18, use the midpoint formula to find the coordinates of the midpoint *M* if the coordinates of are the following endpoints.

17. A(0,1) and B(4,6)

18. E(-5,6) and F(9,7)

Point M (_____ , _____)

Point M (_____ , _____)

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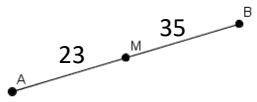
19. The midpoint $\overline{AM}$ is *M* (-1,3). One endpoint is *A*(2,5). Find the coordinates of endpoint B.

20. The midpoint $\overline{AM}$ is *M* (-5,-3). One endpoint is *A*(-6,4). Find the coordinates of endpoint B.

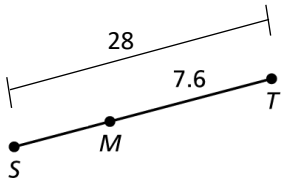
SECTION 3 on the Unit 1 Test cover these topics

Lesson 1.2 (21-23)

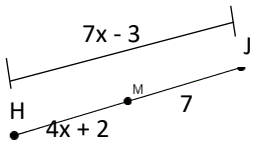
21. Find $\overline{AB}$.



22. Find $\overline{SM}$.



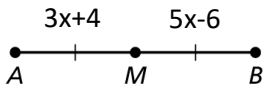
23. Find x, then $\overline{HJ}$.



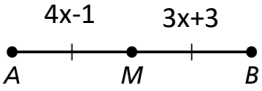
Lesson 1.3 (24-27)

For #24-25, point M is the midpoint of AB. Find the length of AM.

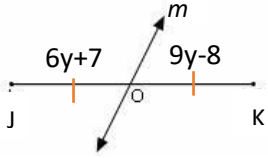
24.



25.



26. Identify the segment bisector of $\overline{JK}$ and the indicated length.



Segment bisector:_____ $\overline{JO} =$ _____

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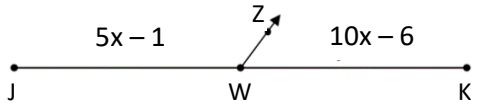
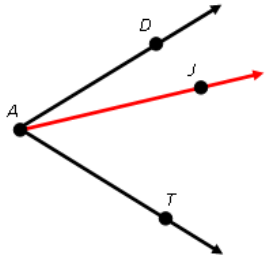
27. Find the length of $\overline{JK}$.

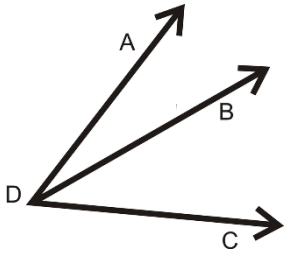


Lessons 1.5 and 1.6 (28-34)

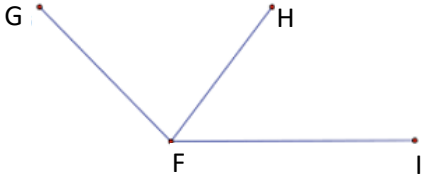
28. List 3 different angles using the image provided.



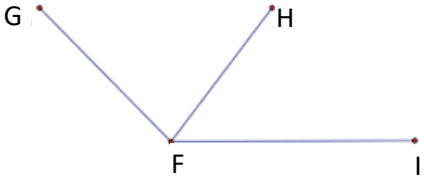
29. m∠ADC = 65° and m∠ADB = 29°, find m∠BDC.



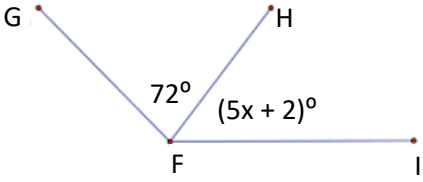
30. $\overline{FH}$ bisects ∠GFI. m∠GFI = 132°, find the m∠GFH and ∠HFI.



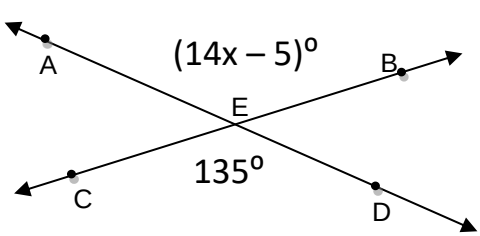
31. $\overline{FH}$ bisects ∠GFI. m∠GFH = 83° . Find the m∠HFI and m∠GFI.



32. ∠GFH ≅ ∠HFI. Find the value of x.



33. Find x.



34. Find m∠ABD and m∠DBC.