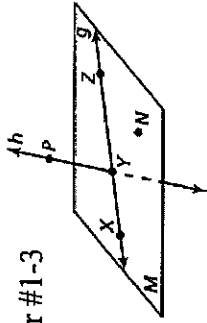


Chapter 1 Group Review

Use the diagram for #1-3



0.1

1. Give another name for plane M _____
2. Name a line intersecting the plane. _____
3. Name a pair of opposite rays _____, _____
4. Find XZ. Start with a letter equation.

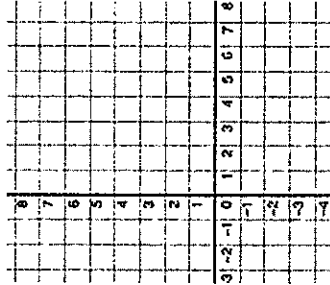


XZ = _____

5. Find the coordinates of the midpoint, M, between S and T.

0.1

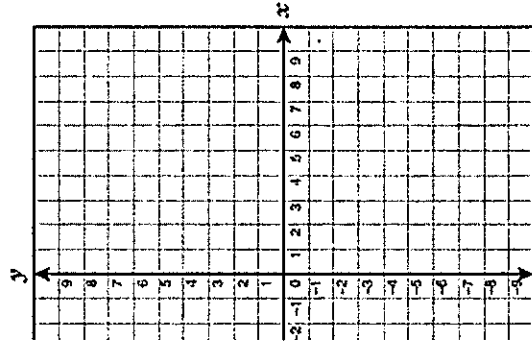
S(6, -3) and T(-2, 7)



M is at (_____ , _____)

0.2

6. The midpoint of $\overline{AB}$ is $M(6, -1)$. One endpoint is $A(3, 5)$. Find the coordinates of the other endpoint, B.



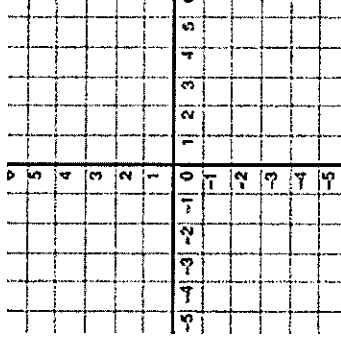
B is at (_____ , _____)

7. Point M is the midpoint of $\overline{AB}$, where $AM = 3x + 8$ and $MB = 6x - 4$. Find AB. Draw a diagram, and start with a letter equation.

0.1

8. Find the perimeter of the quadrilateral. Q(-4, 3), R(2, 3), S(4, -3) and T(-2, -3)

0.2

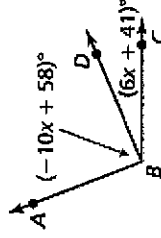


Perimeter of QRST: _____

9. Find $m\angle ABD$ and $m\angle CBD$ if $m\angle ABC = 111^\circ$. Start with a letter equation.

0.1

$m\angle ABC = 111^\circ$



10. $\angle 1$ and $\angle 2$ are complementary angles. Given that $m\angle 1 = 12^\circ$, find $m\angle 2$.

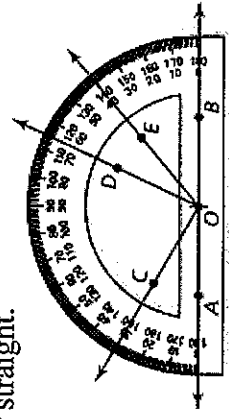
0.05

11. $\angle 3$ and $\angle 4$ are supplementary angles. Given that $m\angle 3 = 116^\circ$, find $m\angle 4$.

0.05

0.1

12. Use the protractor to find the following angle measures. Then classify the angle as acute, right, obtuse, or straight.



a) $m\angle AOC$

b) $m\angle EOD$

0.2

13. You travel from City X to City Y. You know that the round-trip distance is 647 miles. City Z, a city you pass on the way, is 27 miles from City X. Find the distance from City Z to City Y. Draw a diagram, and show all work.

Diagram:

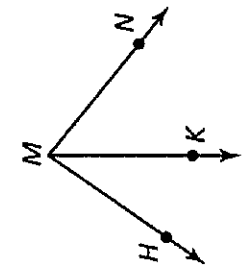
Work:

0.2

14. The measure of an angle is 12° more than twice the measure of its complement. Find the measures of the each of the angles.

0.1

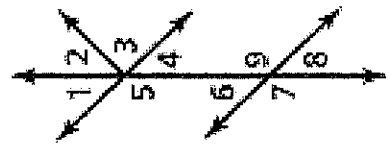
15. Name 3 different angles in the diagram.



For #16-19, Use the diagram.

0.05

16. Identify all angles that make a linear pair with $\angle 1$.



0.05

17. Identify all angles that make a linear pair with $\angle 7$.

0.05

18. Are $\angle 6$ and $\angle 8$ vertical angles? Why or why not?

0.05

19. Are $\angle 2$ and $\angle 5$ vertical angles? Why or why not?

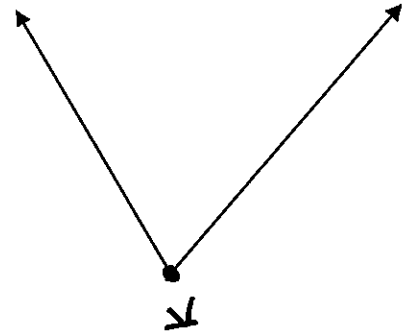
0.1

20. Construct a segment congruent to $\overline{XY}$



0.1

21. Construct an angle congruent to $\angle K$



0.1

22. Construct the angle bisector of $\angle Z$

