Name:_____

1.   Name the three planes that intersect at point *P*.

2.   Name the intersection of planes *PQO* and *NMP*.

3.   Name 3 lines that intersect at point *S*.

4.   Are points *P, M, and N* collinear?

5.   Are points *P, M, and N* coplanar?

6.   Point *B* is between points *A* and *C* on $\overline{AC}$. Using the information
      provided, draw a sketch of $\overline{AC}$ with *B* between *A* and *C*. Find the
      values of *x, AB,* and *BC*.

      $AC = 95, AB = 15x - 10, BC = 5x + 5$ <u>sketch</u>

7.   The endpoints of $\overline{JK}$ are given. Find the coordinates of the midpoint *M*.

      J(1, 3) and *K*(7, 5)

8.   The midpoint *M* and one endpoint *A* of $\overline{AB}$ are given. Find the coordinates
      of the other endpoint.

      A(-3, -2) and *M*(2, 6)

1.

2.

3.

4.

5.
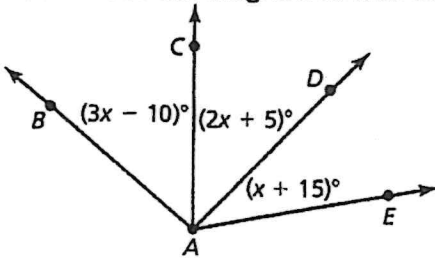
6.   *x* =

     AB =

     BC =

7.

8.

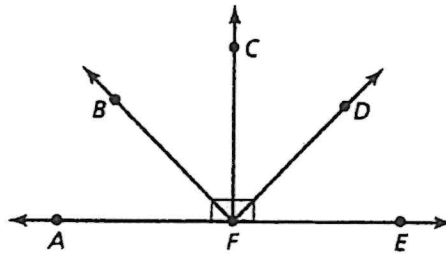9. Find the distance between the two points. Round your answer to the nearest tenth.

   $A(-10, -5)$, $B(9, 14)$

9.
_____

10. Use the diagram to find the $m\angle DAE$, given that $m\angle BAE = 130°$.

10.

$m\angle DAE =$

11. Use the diagram to identify an angle with the given classification.

   a. right angle

   b. obtuse angle

   c. straight angle

   d. acute angle

11.

a.

b.

c.

d.
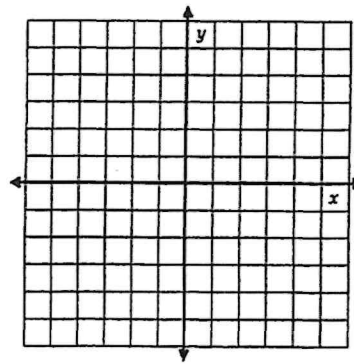
12. $\angle 1$ is a complement of $\angle 2$, and $m\angle 1 = 49°$. Find $m\angle 2$.

12.
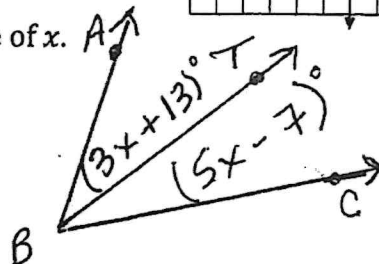
13. $\angle 3$ is a supplement of $\angle 4$, and $m\angle 3 = 119°$, Find $m\angle 4$.

13.

14. Plot the points in the coordinate plane. Find the area of the triangle.

   $A(1, 2)$, $B(1, 4)$, $C(6, 2)$

14.

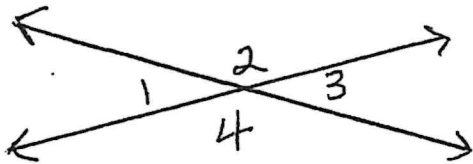15. $\overrightarrow{BT}$ bisects $\angle ABC$. Find the value of x.
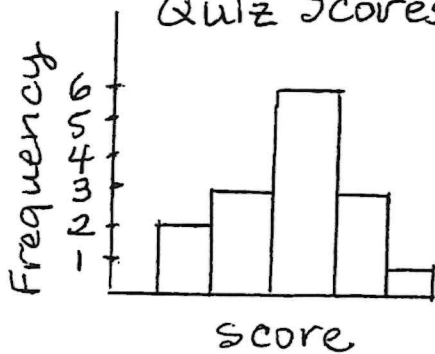

15. $x =$

16. In the diagram below, identify:

   a. a linear pair

   b. a pair of vertical angles

18. Describe the distribution using the
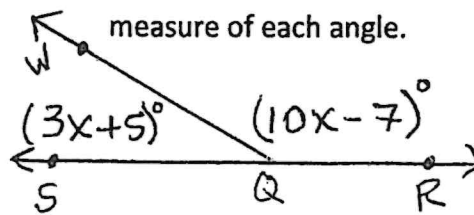
   4 characteristics

   Quiz Scores

   Frequency / Score

17. Find the value of x and the

   measure of each angle.

   $(3x+5)°$ $(10x-7)°$

   S   Q   R

19. Find the 5 Number Summary

   for the data showing ages

   of players on a bowling team.

   18, 31, 17, 25, 10, 13, 28

+

+

+

+

20. Graph the inequality

   $-3x \leq 12$

21. Graph the inequality

   $y < \frac{1}{2}x + 3$

22. Solve the inequality

   $|x + 3| < 17$

23. Write the equation of the line

   that passes through (-5, -3) and

   has a slope of m=2.

16.

a.

b.

___

17.

$x =$

m∠WQS =

m∠WQR =

___

18.

See below prob. #18
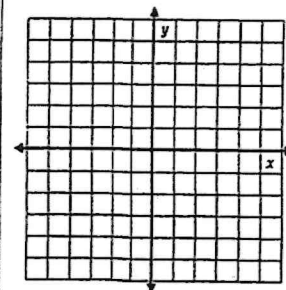
___

19.

See below prob. #19

___

20.

←——————→

___

21.

___

22.

___

23.