Name:

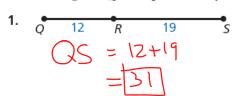
Solutions

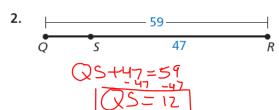
Date:

Period:

Unit 1 Review

Find the length of \overline{QS} . Explain how you found your answer.





Find the coordinates of the midpoint M. Then find the distance between the two points. (X2, Y2) Use Mapo At Formula

3. A(-4, -8) and B(-1, 4) M= $\left(\frac{x_1+x_2}{2}\right)$

4. C(-1,7) and D(-8,-3)

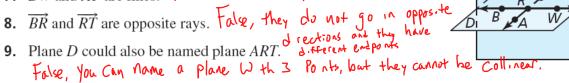
The midpoint of \overline{EF} is M(1, -1). One endpoint is E(-3, 2). Find the coordinates of

- Call 2nd endpoint F(x,y)

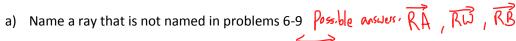


Use the diagram to decide whether the statement is true or false.

- 6. Points A, R, and B are collinear. False, they aren't on the Same Inc
- 7. \overrightarrow{BW} and \overrightarrow{AT} are lines. True Remember to put bars and arrows over $| \cdot |$



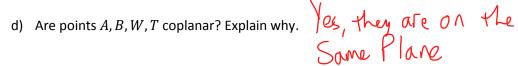
9.5 Use the drawing for 6-9 to answer these questions:



b) Name the intersection of the two planes

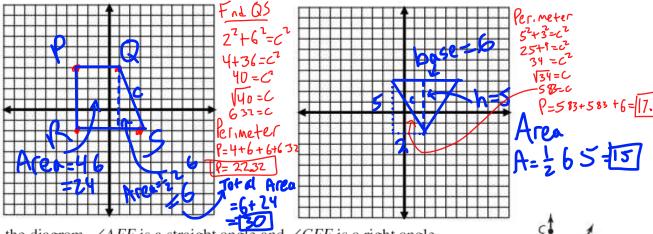


Point K c) Name the intersection of \overrightarrow{BW} and \overrightarrow{AT}



Find the perimeter and area of the polygon with the given vertices. Explain how you found your answer.

- **10.** P(-3, 4), Q(1, 4), R(-3, -2), S(3, -2)
- **11.** J(-1,3), K(5,3), L(2,-2)



12. In the diagram, ∠AFE is a straight angle and ∠CFE is a right angle. Identify all supplementary and complementary angles. Explain.
Then find an APEE are APEC and are APEE.

Then find m DFE, m BFC, and m BFE.

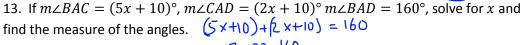
Comp knewary LAFB & LBFE, LAFO & LDFE

Supplementary LAFB & LBFE; LAFO & LDFE

ALDER 10-39

LBFC = 10-39

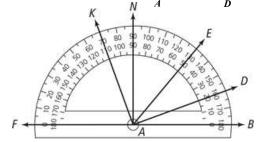
13. If $m \angle BAC = (5x + 10)^\circ$, $m \angle CAD = (2x + 10)^\circ$ $m \angle BAD = 160^\circ$, solve for x and



ne right to find the measure of the

14. Use the protractor to the right to find the measure of these angles and classify the angle types: The classify the angle types:

 $m \angle BAE = 50^{\circ}$ $m \angle DAK = 110 - 20$ $= 90^{\circ}$ R : gh + A



- 15. Draw an example of the following types of angle pairs. Name the angles with a 1 and 2.
 - a. Linear Pair
- air Z
 - b. Vertical angles

ngles

c. Supplementary Angles



d. Complementary Angles



e. Adjacent Angless

2/1