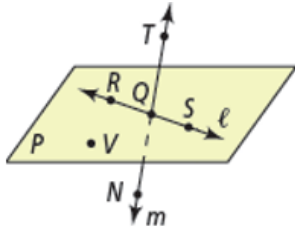


GEOMETRY – Chapter 1 Review

Name _____

Questions 1 – 4, consider the diagram.

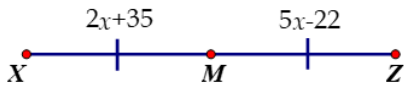


1. Name two lines. _____
2. Name two opposite rays. _____
3. Name the plane. _____
4. Name 3 coplanar points. _____

5. Suppose M is between L and N. If $LM = 7y + 9$, $MN = 3y + 4$, and $LN = 143$, find:

- a. the value of y .
- b. LM

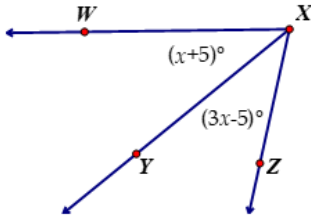
6. If M is the midpoint of \overline{XZ} , find the value of x .



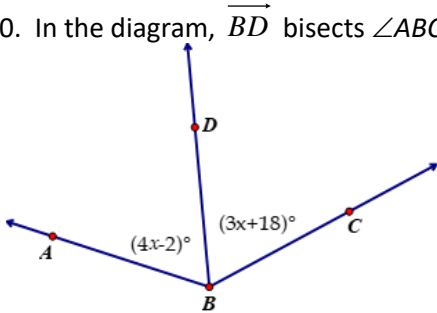
7. Find the distance between the points $(-3, 4)$ and $(-5, 7)$.

8. Find the coordinates of the midpoint of the segment with the given endpoints $J(-7, -5)$ and $K(-3, 7)$

9. Given $m\angle WXZ = 80^\circ$, find $m\angle YXZ$.

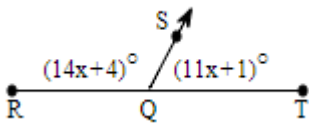


10. In the diagram, \overrightarrow{BD} bisects $\angle ABC$. Find $m\angle ABC$.



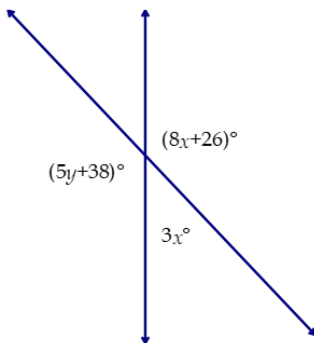
11. Consider the given diagram. a. Find the value of x .

b. Find the $m\angle RQS$



12. Consider the given diagram. a. Find the value of x .

b. Find the value of y .



13. Find the area and circumference of the circle.

