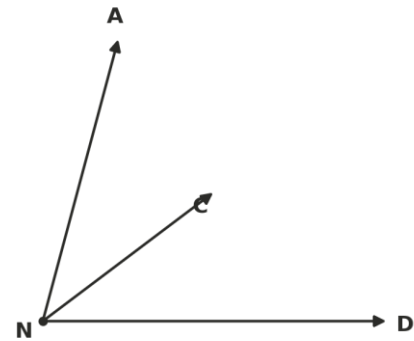


HGeo

Chapter 1 Online Video Review Sheet

1. What are the three undefined terms in geometry?
2. In the diagram, ray NC bisects $\angle AND$. Parts a & b are different problems.
 - a. $m\angle ANC = 68$; $m\angle CND = 5x - 7$.
Find the value of x .



- b. $m\angle AND = 96$; $m\angle ANC = 3x + 6$. Find the value of x .

3. If $XY \cong YZ$, what do we call point Y? Circle the correct answer.

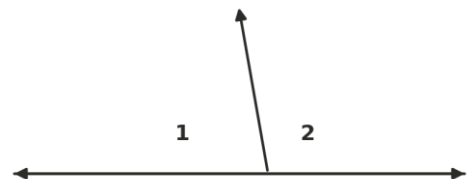
X _____ Y _____ Z

- A) Endpoint B) Midpoint C) Side D) Vertex

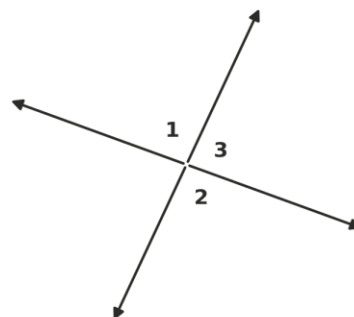
4. $AB = 9$, $AB = 4x - 3$, $BC = 6x + 1$.
What is the length of AC?

A _____ B _____ C

5. Find $m\angle 1$ where $m\angle 2 = 3x + 20$ and $m\angle 1 = 5x + 40$.

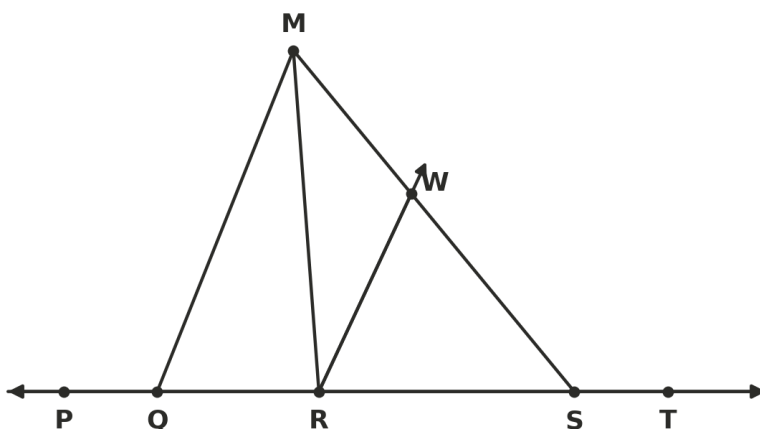


6. $m\angle 1 = 5x + 2$, $m\angle 2 = 8x - 19$.
Find $m\angle 3$.

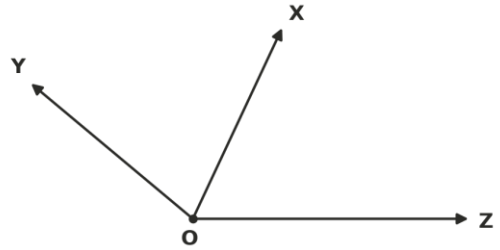


7. In the following figure, P, Q, R, S, and T are collinear. Ray MR bisects $\angle QMS$, and ray RW bisects $\angle MRS$.

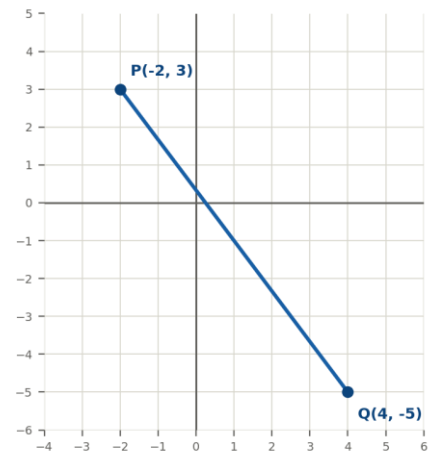
If $m\angle QMR = (5x - 9)^\circ$ and $m\angle RMW = (3x + 7)^\circ$, what is $m\angle QMW$?



8. Ray OX bisects $\angle YOZ$. Find the value of x if $m\angle YOX = 5x - 2$ and $m\angle YOZ = 96$.



9. Use the Distance Formula to find PQ.



10. The endpoints of EF are $E(-3, 4)$ and $F(9, -2)$. Find the coordinates of the midpoint M.
11. The midpoint of RS is $M(-2, 5)$. One endpoint is $R(3, -1)$. Find the coordinates of endpoint S.

12. Use the diagram to answer the following question.

What is another name for RQ ?

- a. NR b. QR c. NQ d. RQ

