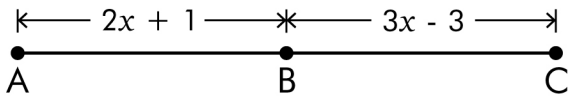


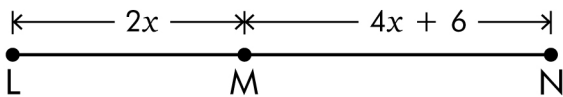
Segment and Angle Addition

1) B is the midpoint of AC. Solve for x.



$x = \text{-----}$

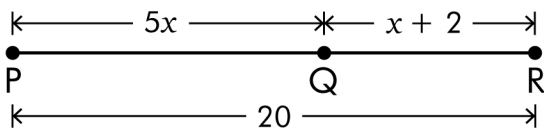
2) $LN = 60$. Find LM and MN.



$LM = \text{-----}$

$MN = \text{-----}$

3) Solve for x

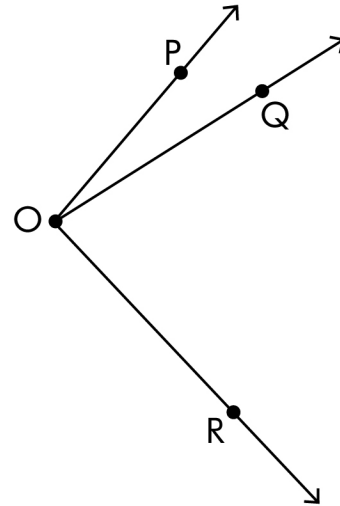


$x = \text{-----}$

4) $m\angle QOR = 5x - 1$

$m\angle POQ = 2x$

$m\angle POR = 111^\circ$

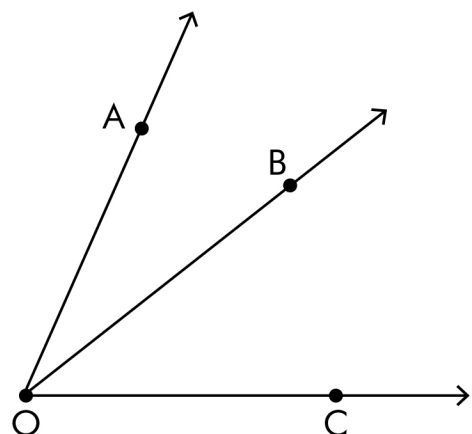


$x = \text{-----}$

$m\angle QOR = \text{-----}$

$m\angle POQ = \text{-----}$

5) $m\angle AOC = 60^\circ$, $m\angle BOC = 28^\circ$.
Find $m\angle AOB$.

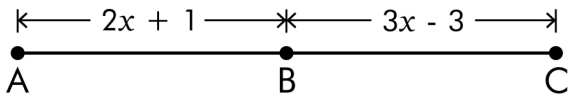


$m\angle AOB = \text{-----}$

Segment and Angle Addition

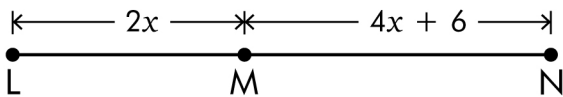
Answers

1) B is the midpoint of AC. Solve for x.



$$x = \text{---} 4 \text{---}$$

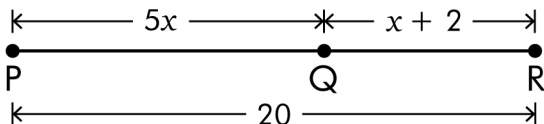
2) LN = 60. Find LM and MN.



$$LM = \text{---} 18 \text{---}$$

$$MN = \text{---} 42 \text{---}$$

3) Solve for x

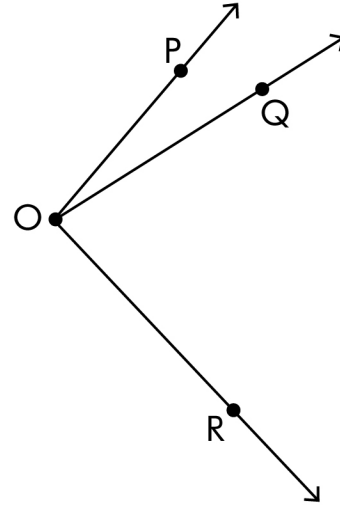


$$x = \text{---} 3 \text{---}$$

4) $m\angle QOR = 5x - 1$

$m\angle POQ = 2x$

$m\angle POR = 111^\circ$

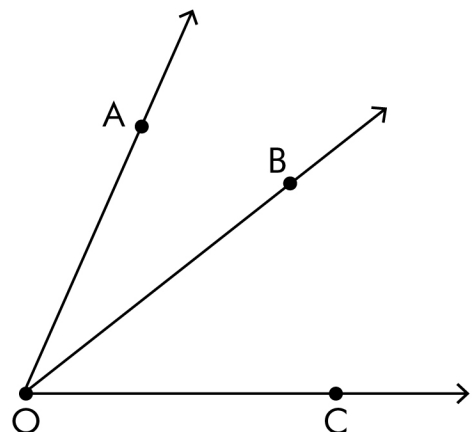


$$x = \text{---} 16^\circ \text{---}$$

$$m\angle QOR = \text{---} 79^\circ \text{---}$$

$$m\angle POQ = \text{---} 32^\circ \text{---}$$

5) $m\angle AOC = 60^\circ$, $m\angle BOC = 28^\circ$.
Find $m\angle AOB$.



$$m\angle AOB = \text{---} 32^\circ \text{---}$$