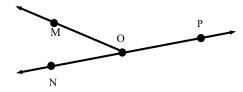


Vocabulary



Linear pair: pair of adjacent angles whose noncommon sides are opposite rays. The angles of a linear pair form a straight angle.



Examples: INOP and LMOP



Vocabulary



Angle bisector: a ray that divides an angle into two congruent angles.

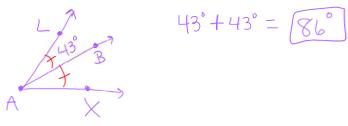
Examples: ON is the angle bisector

SO LMON > LPON

Week 4 Block Day Notes

Example

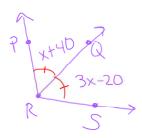
 \overrightarrow{AB} bisects $\angle LAX$ The $m\angle LAB = 43^{\circ}$. Find $m\angle LAX$



Example

$$\overrightarrow{RQ}$$
 bisects $\angle PRS$. The $m\angle PRQ = (x+40)^{\circ}$ and

$$m\angle QRS = (3x - 20)^{\circ}$$
 . Find $m\angle PRS$



$$m\angle QRS = (3x-20)^{\circ}$$
. Find $m\angle PRS$

$$\angle PRQ \cong \angle QRS$$

$$x+40 = 3x-20$$

$$x+40 = 3x-20$$

$$x+40 = 2x-20$$

$$x+20$$

$$x+20$$

$$x+3x-20$$

$$x+3x$$

Week 4 Block Day Notes

