

Name: *Key*

Chapters 3-4

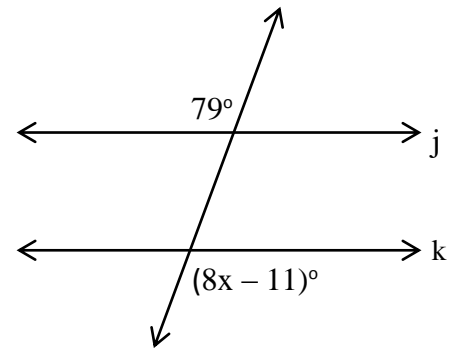
Post-Assessment

1) Given: $j \parallel k$

Find: the value of x

- a) 11
- b) 11.25**
- c) 14
- d) 15.25

$$\begin{aligned} 79 &= 8x - 11 \\ +11 &\quad +11 \\ \hline 90 &= 8x \\ \frac{90}{8} &= \frac{8x}{8} \\ x &= 11.25 \end{aligned}$$



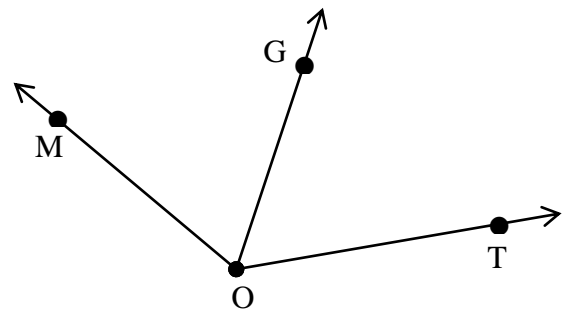
For 2-3, state the conclusion and reason that can be drawn from the given information. Be sure to use all the given information to draw the conclusion.

2) Given: A is the midpoint of \overline{SM}



Conclusion: $\overline{SA} \cong \overline{AM}$

3) Given: $\angle MOG \cong \angle GOT$



Conclusion: \overrightarrow{OG} bisects $\angle MOT$

4)

Given: $\triangle ABC \cong \triangle RPO$

$AB = 12, BC = 16, CA = 20, PR = 4x$

Find the value of x .

