

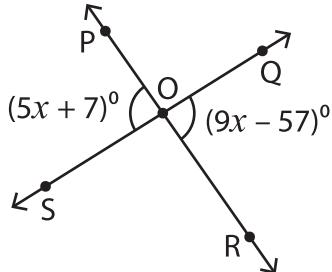
Name: \_\_\_\_\_

**Vertical Angles**

Multi-Step: S3

Find the value of  $x$  and the indicated angle.

1)

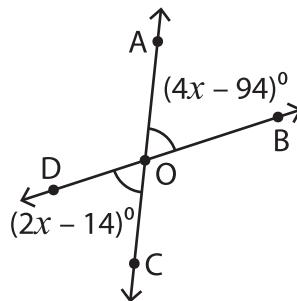


$$x = \underline{\hspace{2cm}}$$

$$m\angle POS = \underline{\hspace{2cm}}$$

$$m\angle POQ = \underline{\hspace{2cm}}$$

2)

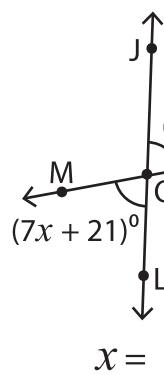


$$x = \underline{\hspace{2cm}}$$

$$D = \underline{\hspace{2cm}}$$

$$C = \underline{\hspace{2cm}}$$

3)



$$x = \underline{\hspace{2cm}}$$

$$m\angle JOK = \underline{\hspace{2cm}}$$

$$m\angle MOJ = \underline{\hspace{2cm}}$$

**PREVIEW**

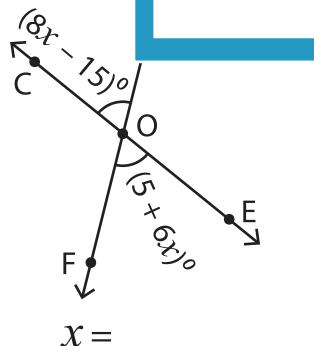
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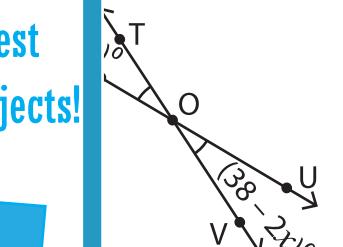
5)



$$x = \underline{\hspace{2cm}}$$

$$m\angle COD = \underline{\hspace{2cm}}$$

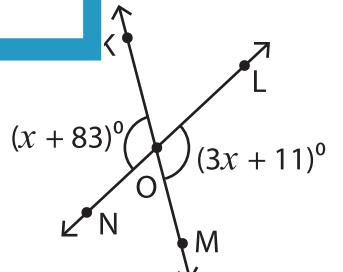
$$m\angle DOE = \underline{\hspace{2cm}}$$



$$x = \underline{\hspace{2cm}}$$

$$J = \underline{\hspace{2cm}}$$

$$\Gamma = \underline{\hspace{2cm}}$$



$$x = \underline{\hspace{2cm}}$$

$$m\angle LOM = \underline{\hspace{2cm}}$$

$$m\angle NOM = \underline{\hspace{2cm}}$$