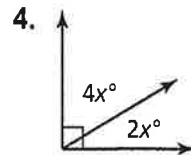
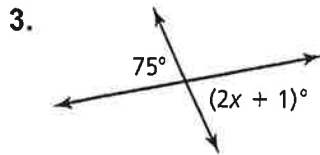
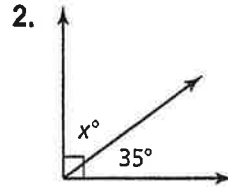
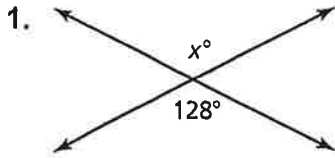


NAME: \_\_\_\_\_  
ANGLES

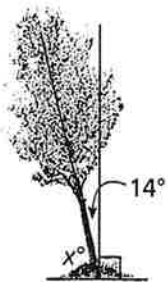
DATE: \_\_\_\_\_  
PERIOD: \_\_\_\_\_

### REVIEW (Quiz)

Tell whether the angles are *adjacent* or *vertical*. Then find the value of  $x$ .

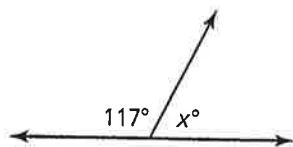


5. The tree is tilted  $14^\circ$ . Find the value of  $x$ .

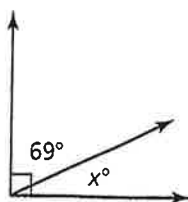


Tell whether the angles are *complementary* or *supplementary*. Then find the value of  $x$ .

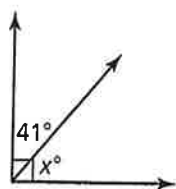
6.



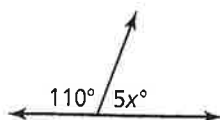
7.



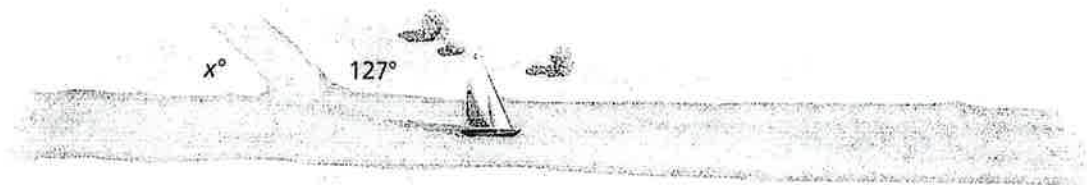
8.



9.



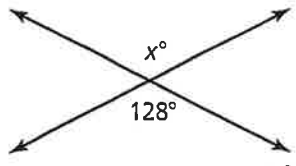
10. A tributary joins a river at an angle. Find the value of  $x$ .

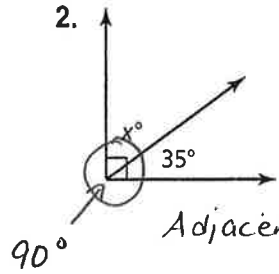


**KEY**

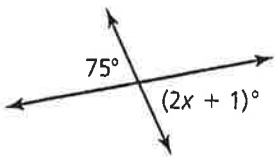
**REVIEW (Quiz)**

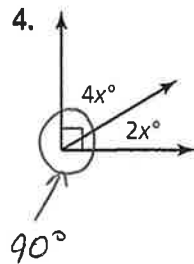
Tell whether the angles are *adjacent* or *vertical*. Then find the value of  $x$ .

1.   
 Vertical ( $\cong$ )  
 $x = 128^\circ$

2.   
 Adjacent

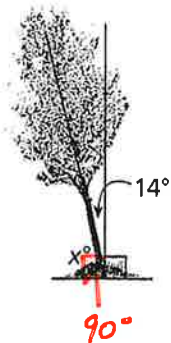
$$\begin{array}{r} x + 35 = 90 \\ -35 \quad -35 \\ \hline x = 55^\circ \end{array}$$

3.   
 Vertical ( $\cong$ )  
 $75 = 2x + 1$   
 $-1 \quad -1$   
 $\hline 74 = 2x$   
 $2 \quad 2$   
 $\hline 37 = x$

4. 

$$\begin{array}{r} 4x + 2x = 90 \\ 6x = 90 \\ \hline 6 \quad 6 \\ \hline x = 15^\circ \end{array}$$

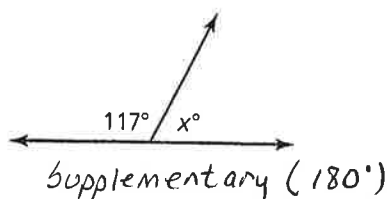
5. The tree is tilted  $14^\circ$ . Find the value of  $x$ .



$$\begin{array}{r} x + 14 = 90 \\ -14 \quad -14 \\ \hline x = 76^\circ \end{array}$$

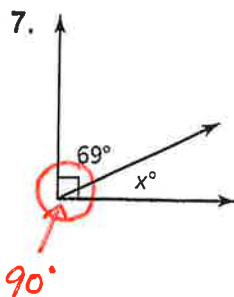
Tell whether the angles are *complementary* or *supplementary*. Then find the value of  $x$ .

6.



$$\begin{array}{r} x + 117 = 180 \\ -117 \quad -117 \\ \hline x = 63^\circ \end{array}$$

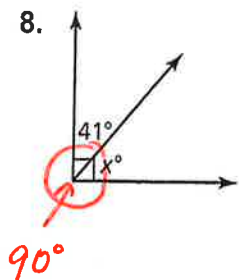
7.



Complementary ( $90^\circ$ )

$$\begin{array}{r} x + 69 = 90 \\ -69 \quad -69 \\ \hline x = 21^\circ \end{array}$$

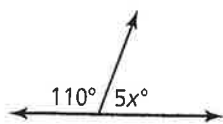
8.



Complementary ( $90^\circ$ )

$$\begin{array}{r} x + 41 = 90 \\ -41 \quad -41 \\ \hline x = 49^\circ \end{array}$$

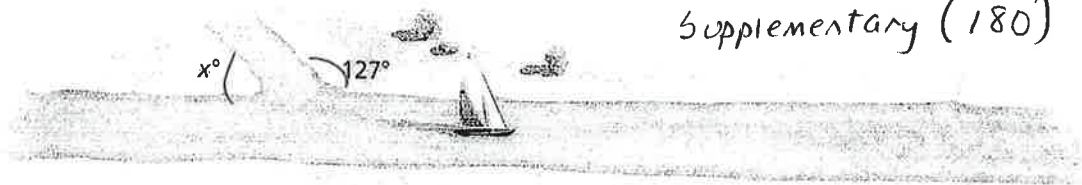
9.



Supplementary ( $180^\circ$ )

$$\begin{array}{r} 5x + 110 = 180 \\ -110 \quad -110 \\ \hline 5x = 70 \\ \frac{5x}{5} = \frac{70}{5} \\ x = 14^\circ \end{array}$$

10. A tributary joins a river at an angle. Find the value of  $x$ .



Supplementary ( $180^\circ$ )

$$\begin{array}{r} x + 127 = 180^\circ \\ -127 \quad -127 \\ \hline x = 53^\circ \end{array}$$