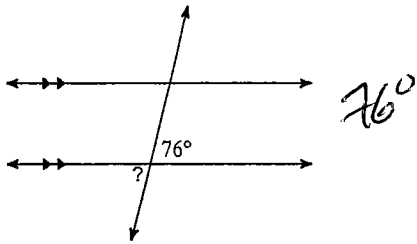


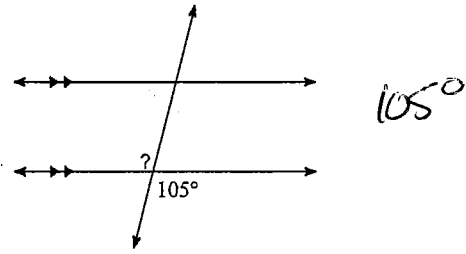
### Parallel Lines with Transversal

Find the measure of each angle indicated.

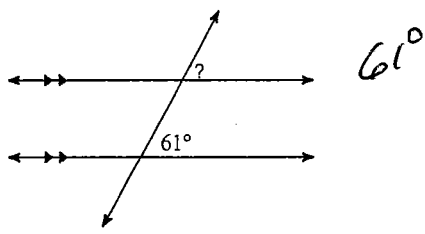
1)



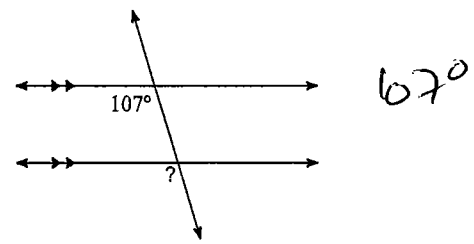
2)



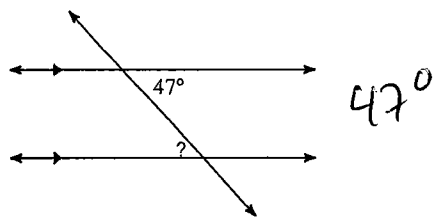
3)



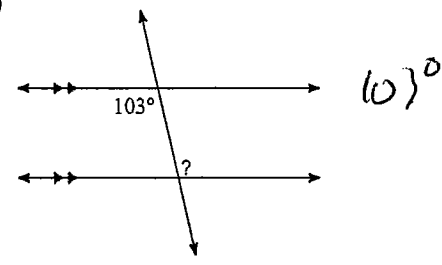
4)



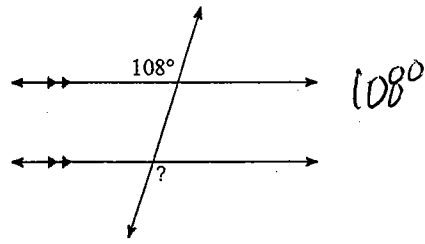
5)



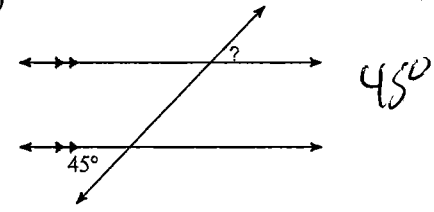
6)



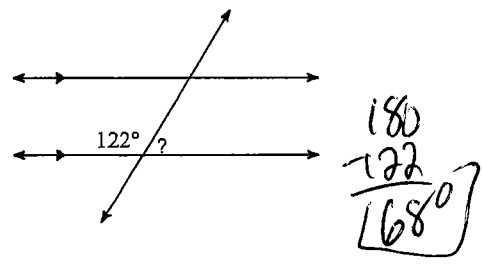
7)



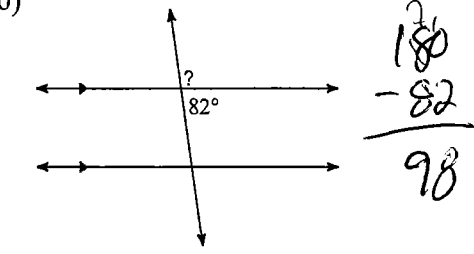
8)



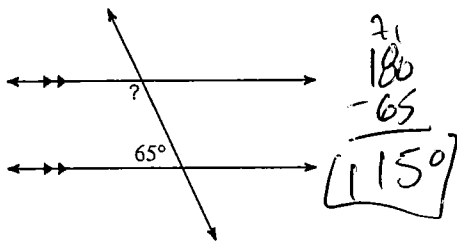
9)



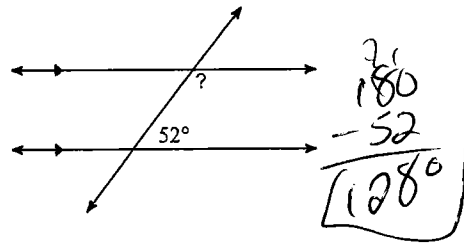
10)



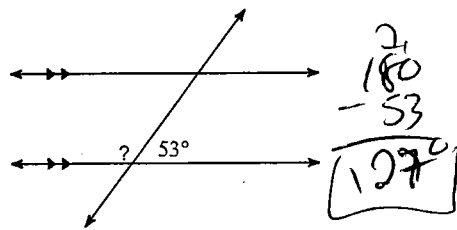
11)



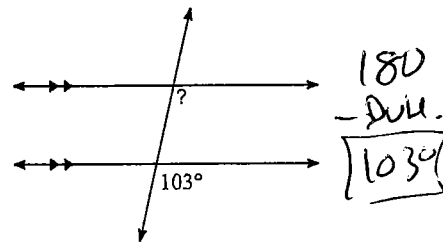
12)



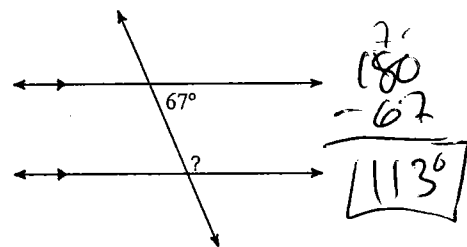
13)



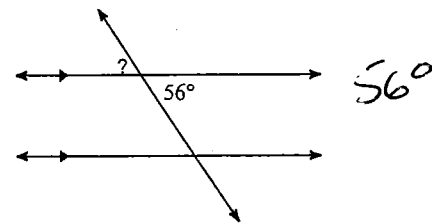
14)



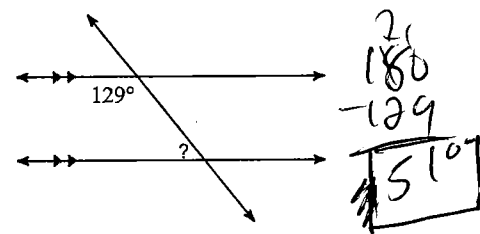
15)



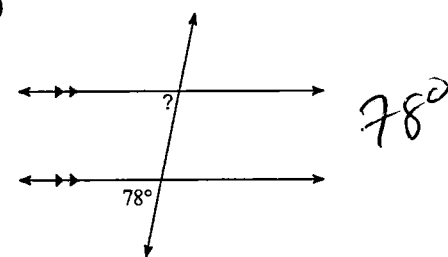
16)



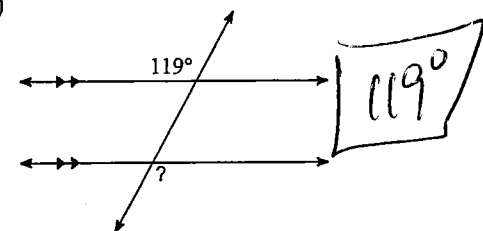
17)



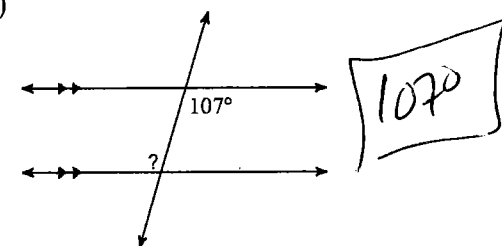
18)



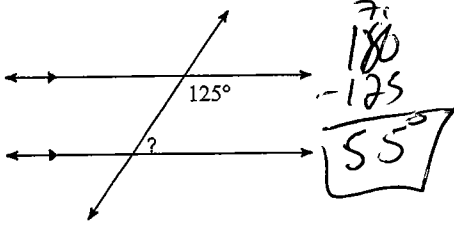
19)



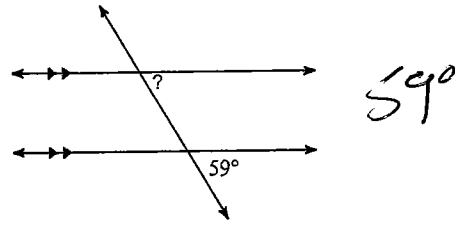
20)



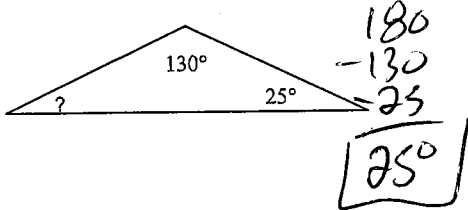
21)



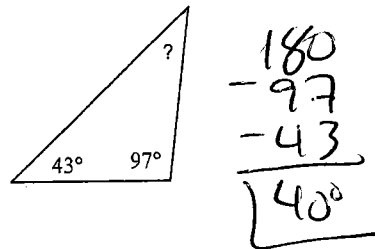
22)



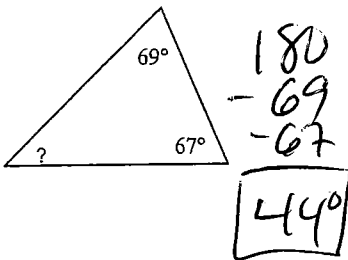
23)



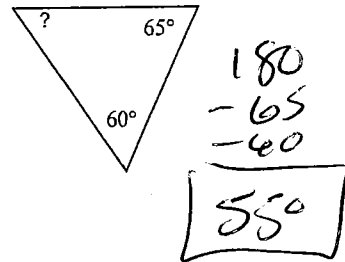
24)



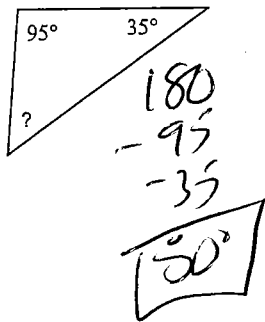
25)



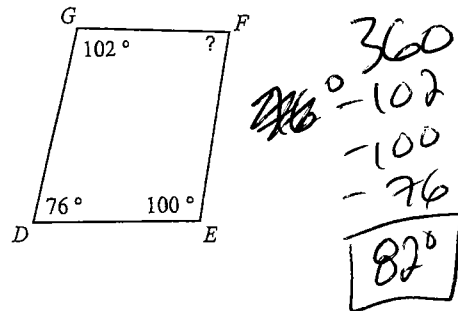
26)



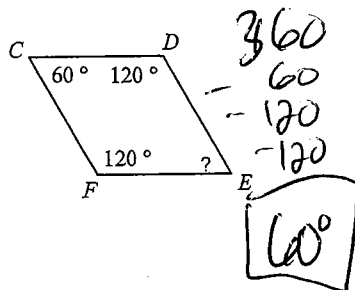
27)



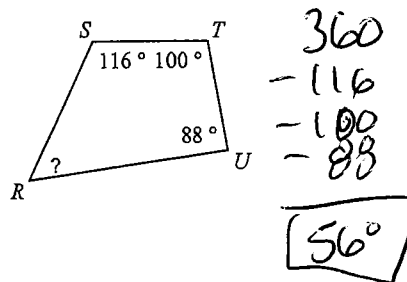
28)



29)

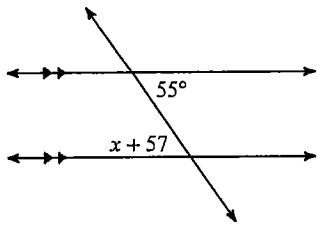


30)



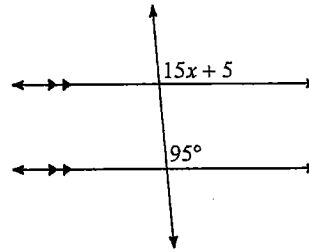
Solve for x.

31)



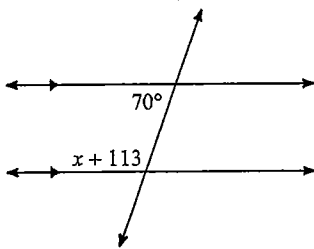
$$\begin{aligned}x + 57 &= 55 \\ -57 & -57 \\ \hline x &= -2\end{aligned}$$

32)



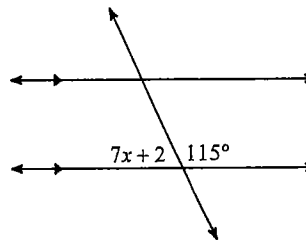
$$\begin{aligned}15x + 5 &= 95 \\ -5 & -5 \\ \hline 15x &= 90 \\ \frac{15x}{15} &= \frac{90}{15} \\ x &= 6\end{aligned}$$

33)



$$\begin{aligned}x + 113 &= 180 - 70 \\ -113 &= 180 - 70 - 113 \\ \hline x &= -3\end{aligned}$$

34)



$$\begin{aligned}7x + 2 &= 180 - 115 \\ 7x + 2 &= 65 \\ -2 & -2 \\ \hline 7x &= 63 \\ \frac{7x}{7} &= \frac{63}{7} \\ x &= 9\end{aligned}$$