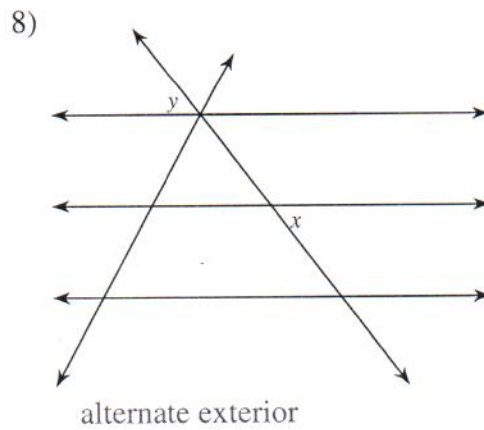
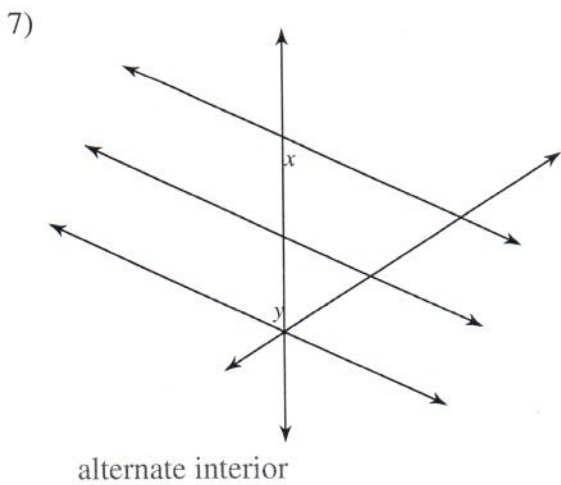
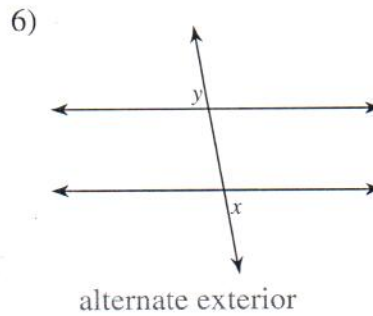
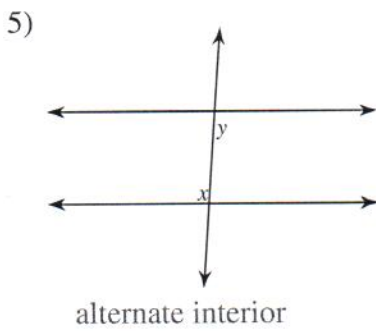
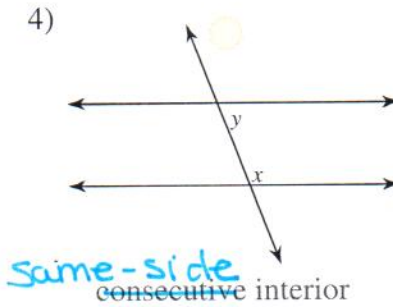
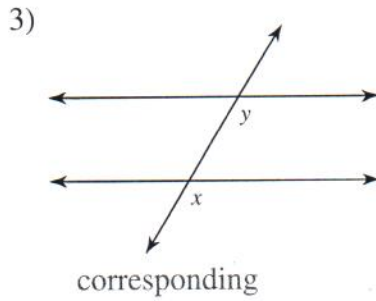
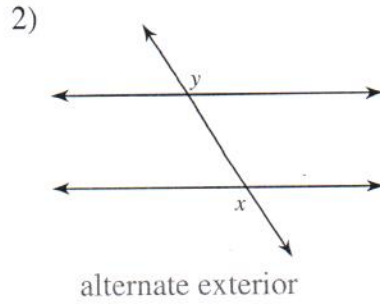
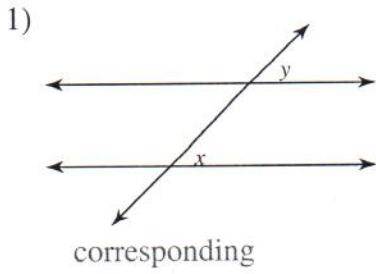


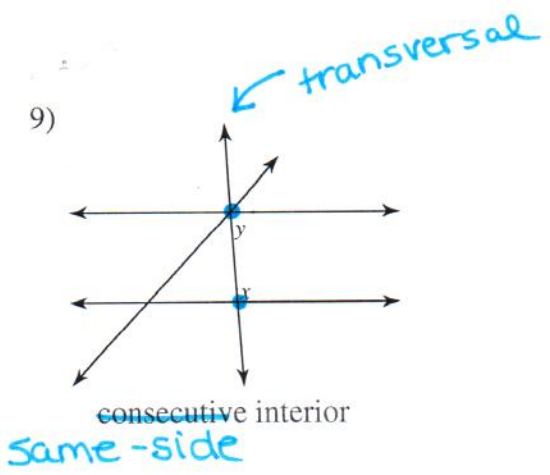
Parallel Lines and Transversals

Identify each pair of angles as corresponding, alternate exterior, or ~~consecutive interior~~ *consecutive interior*.

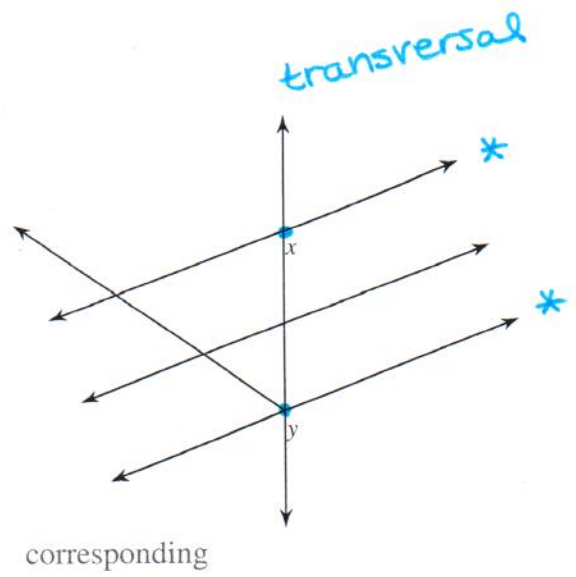
consecutive interior
same-side interior



9)

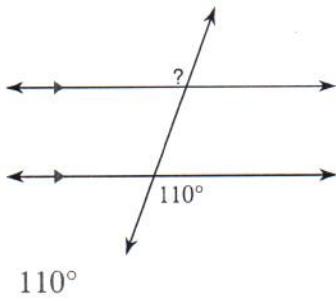


10)

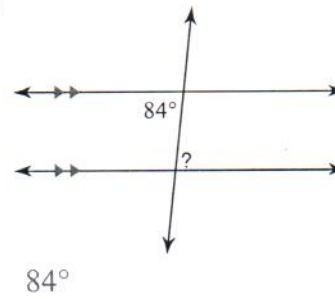


Find the measure of each angle indicated.

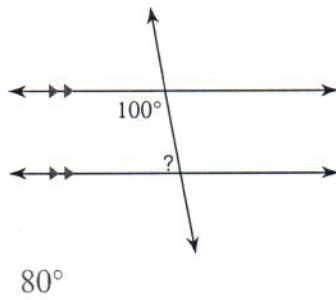
11)



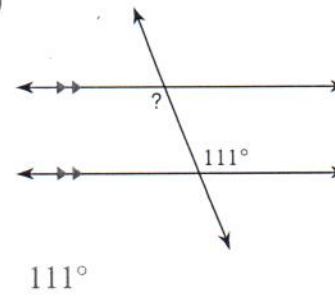
12)



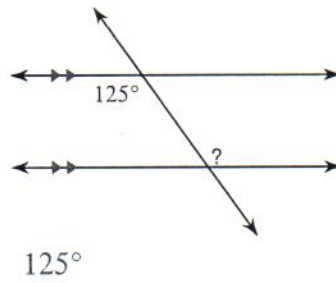
13)



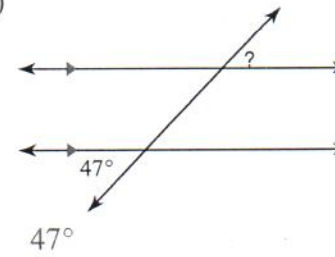
14)



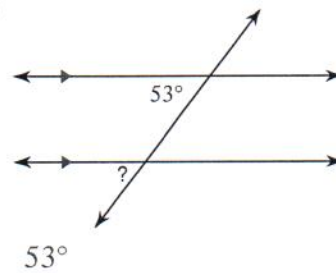
15)



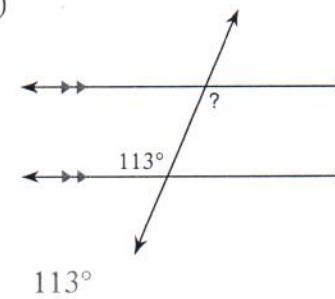
16)



17)

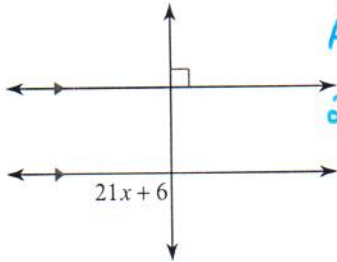


18)



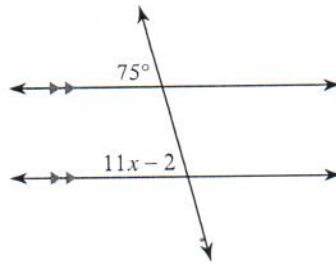
Solve for x.

19)



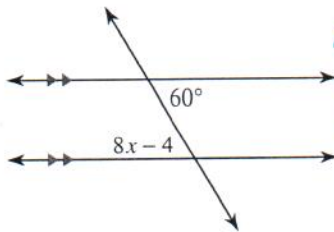
4
Alternate Exterior \angle 's
 $21x + 6 = 90$
 $21x = 84$
 $x = 4$

20)



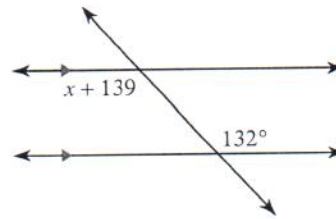
7 Corresponding \angle 's
 $75 = 11x - 2$
 $77 = 11x$
 $x = 7$

21)



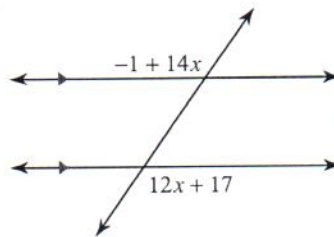
8
Alternate Interior \angle 's
 $60 = 8x - 4$
 $64 = 8x$
 $x = 8$

22)



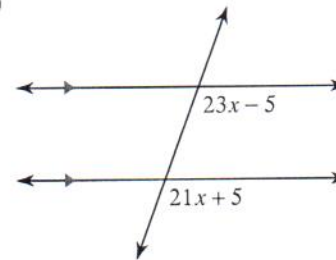
-7
Alternate Interior \angle 's
 $x + 139 = 132$
 $x = -7$

23)



9
Alternate Exterior \angle 's
 $-1 + 14x = 12x + 17$
 $-12x - 12x$
 $-1 + 2x = 17$
 $2x = 18$
 $x = 9$

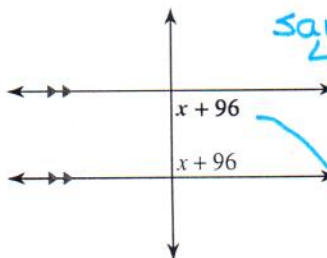
24)



5
Corresponding \angle 's
 $23x - 5 = 21x + 5$
 $23x = 21x + 10$
 $2x = 10$
 $x = 5$

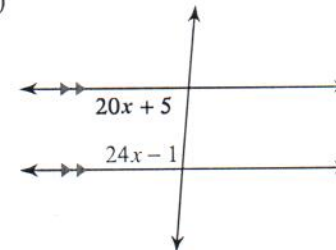
Find the measure of the angle indicated in bold.

25)



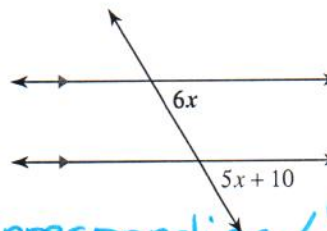
90°
Same side interior \angle 's
 $x + 96 + x + 96 = 180$
 $2x + 192 = 180$
 $2x = -12$
 $x = -6$
 $-6 + 96 = \mathbf{90^\circ}$

26)



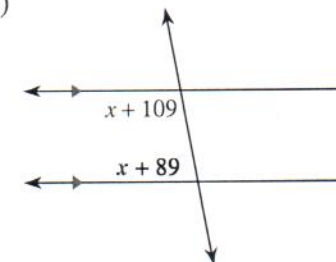
85°
Same side interior \angle 's
 $20x + 5 + 24x - 1 = 180$
 $44x + 4 = 180$
 $44x = 176$
 $x = 4$
 $20(4) + 5 = \mathbf{85^\circ}$

27)



60°
Corresponding \angle 's
 $6x = 5x + 10$
 $x = 10$
 $6(10) = \mathbf{60^\circ}$

28)



80°
Same side interior
 $x + 109 + x + 89 = 180$
 $2x + 198 = 180$
 $2x = -18$
 $x = -9$
 $-9 + 89 = \mathbf{80^\circ}$