

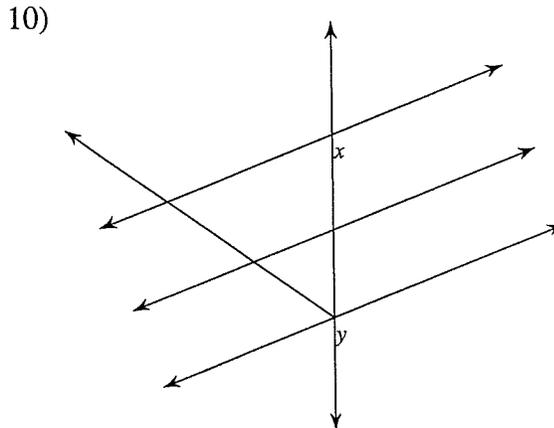
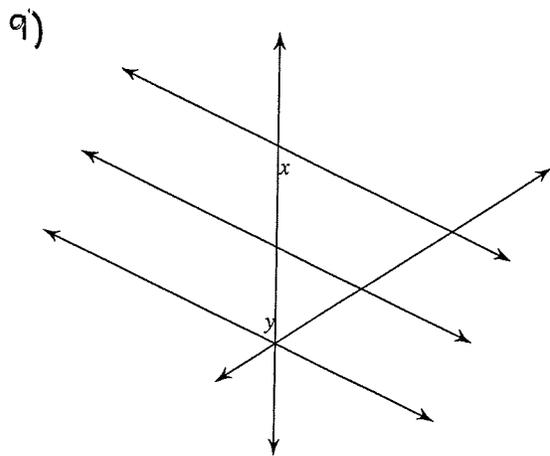
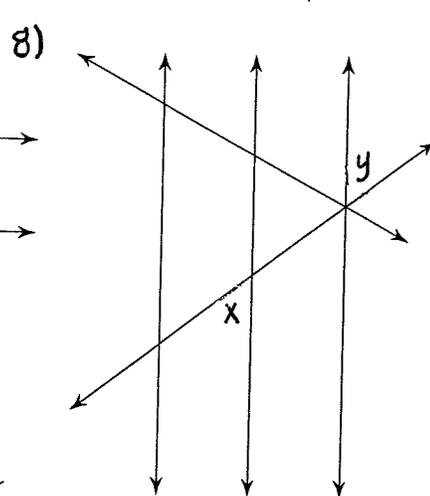
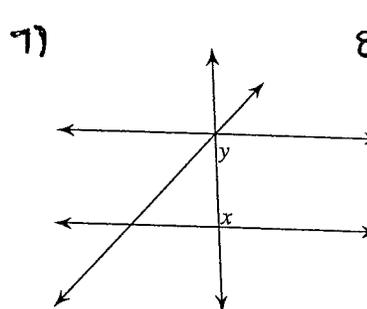
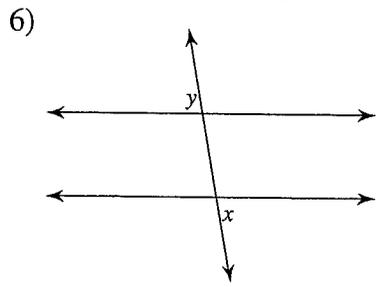
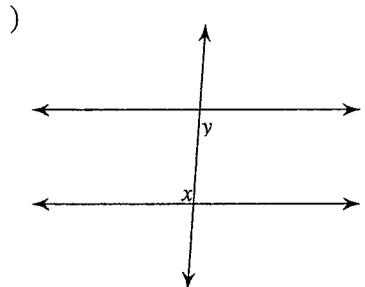
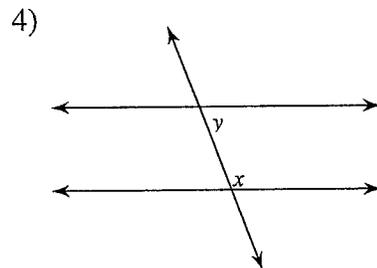
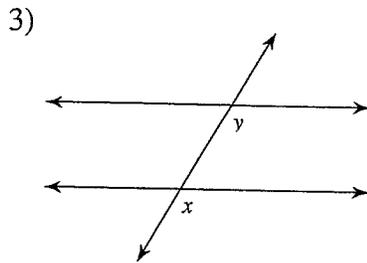
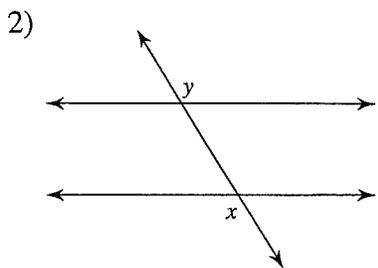
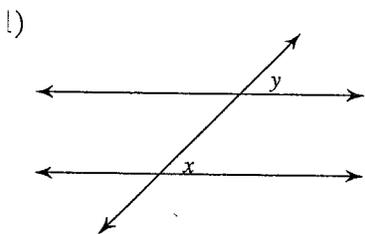
3.1 and 3.2 Packet #2 (3.1-3.3)

Name _____

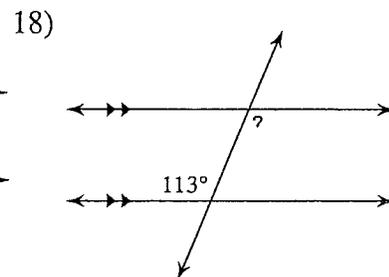
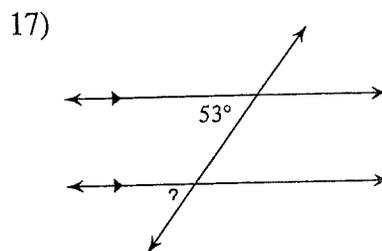
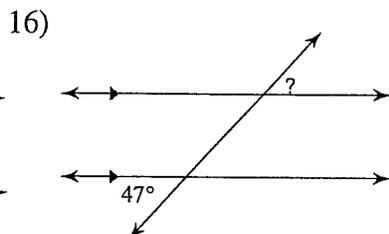
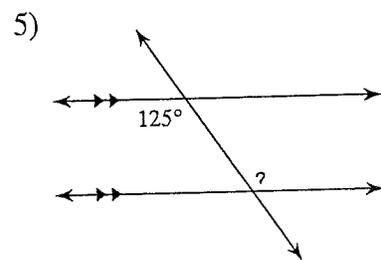
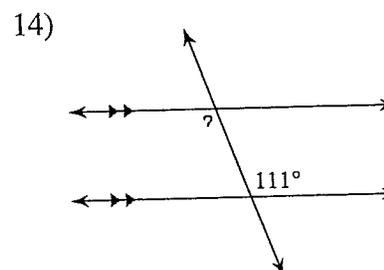
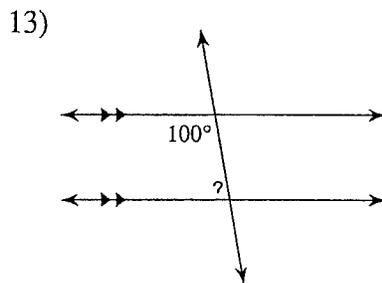
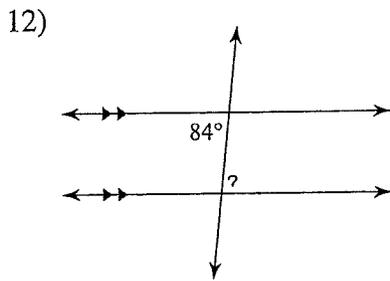
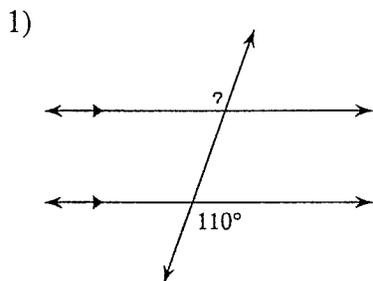
Parallel Lines and Transversals

Date _____ Period _____

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

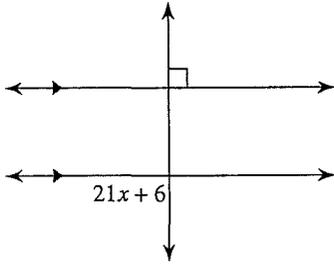


Find the measure of each angle indicated.

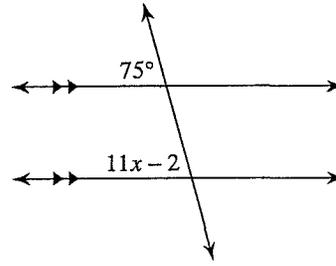


Solve for x .

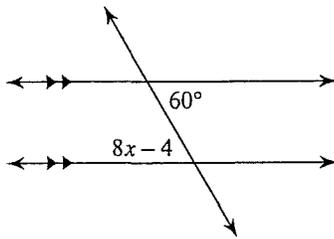
19)



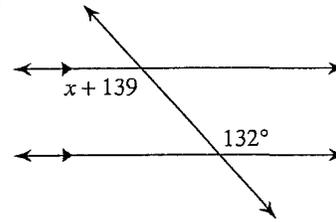
20)



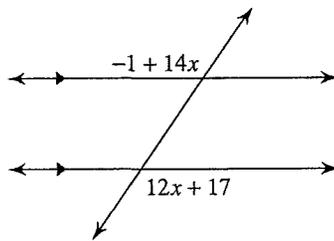
21)



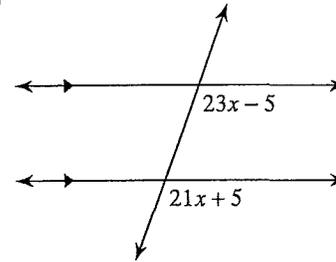
22)



23)

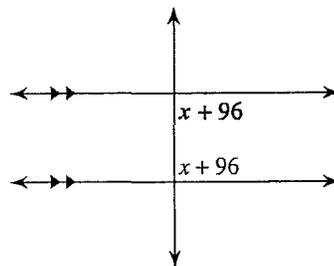


24)

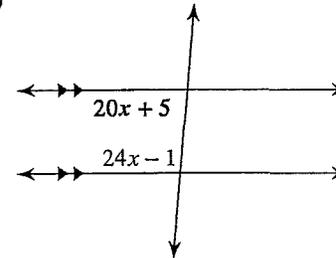


Find the measure of each angle.

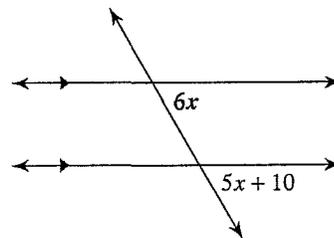
25)



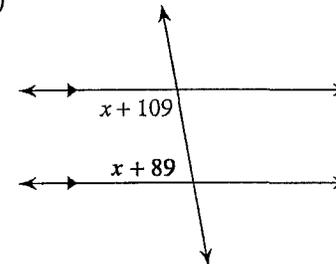
26)



27)



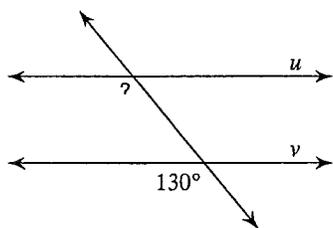
28)



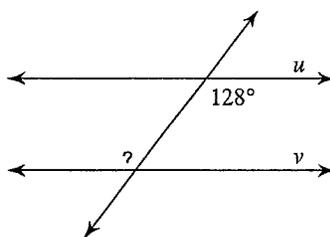
Proving Lines Parallel

Find the measure of the indicated angle that makes lines u and v parallel.

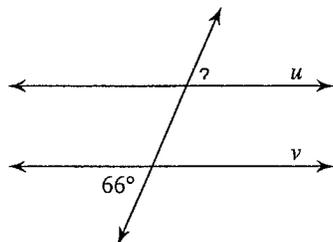
1)



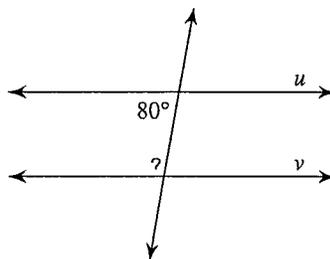
2)



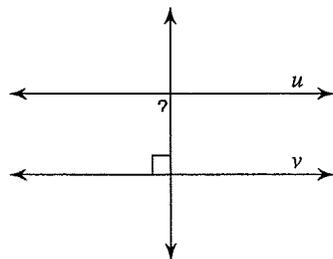
3)



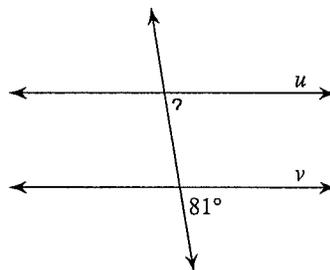
4)



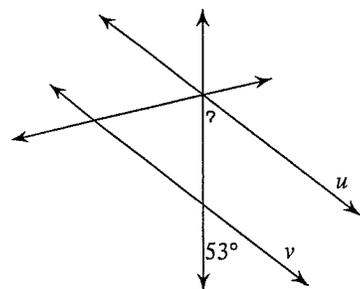
5)



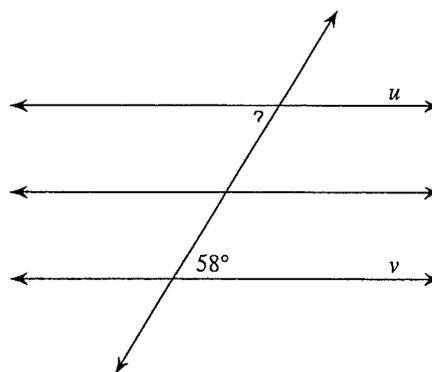
6)



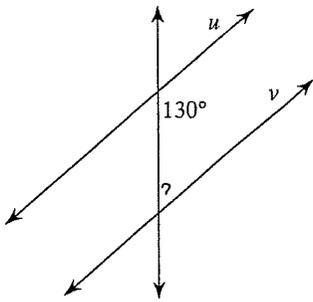
7)



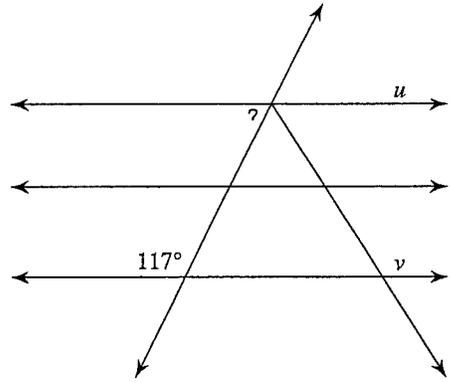
8)



9)

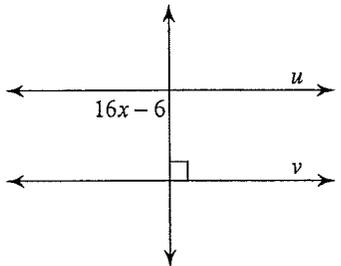


10)

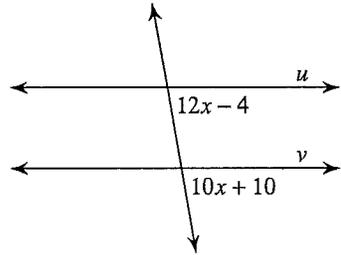


Find the value of x that makes lines u and v parallel.

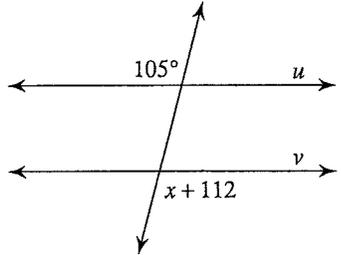
11)



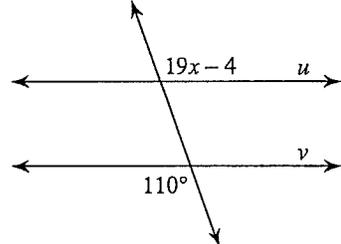
12)



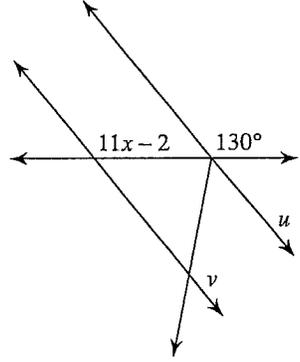
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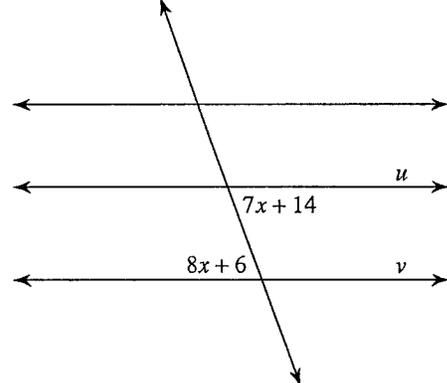
14)



15)



16)



Critical thinking questions:

17) For question #16, find a value of x that makes lines u and v intersect.

18) Even if the lines in question #16 were not parallel, could $x = 25$? Why or why not?