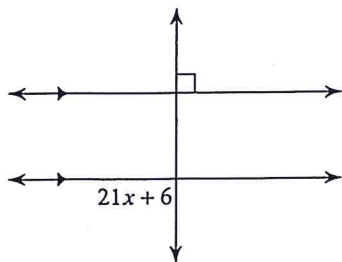


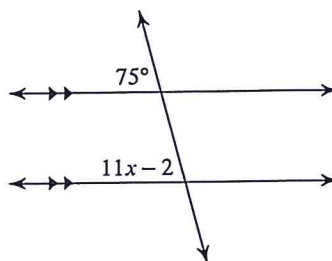
Name: _____

Solve for x .

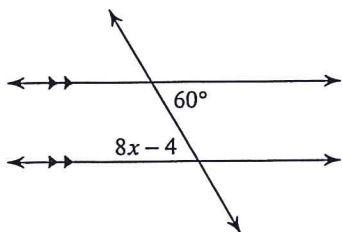
19)



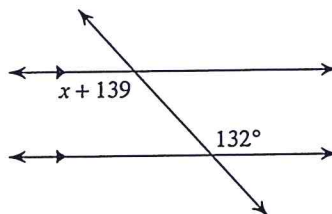
20)



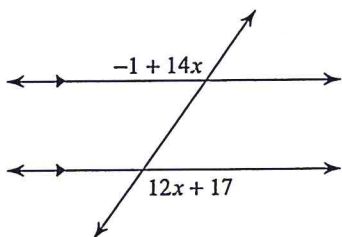
21)



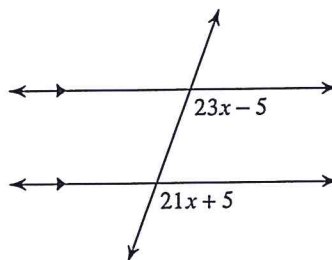
22)



23)

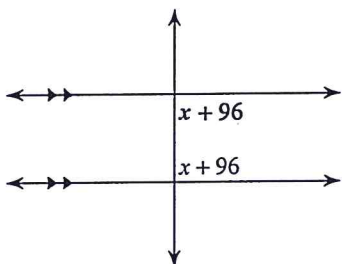


24)

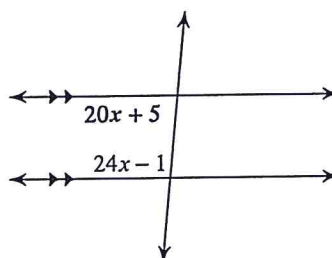


Find the measure of the angle indicated in bold.

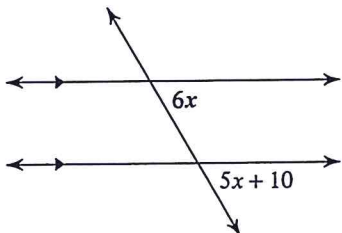
25)



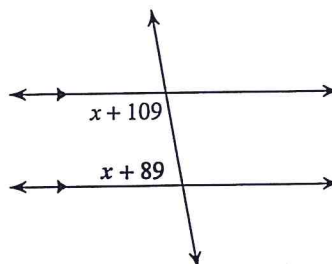
26)



27)

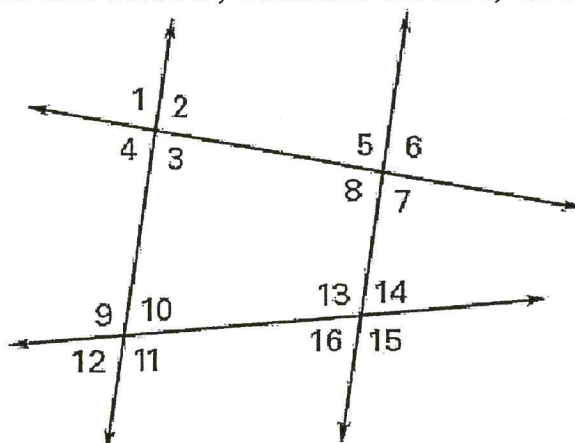


28)



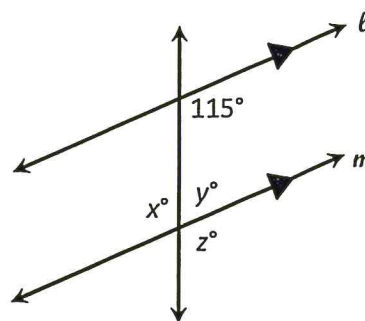
Classify each angle pair as *corresponding*, *alternate interior*, *alternate exterior*, *consecutive interior*, or *consecutive exterior*.

- a) $\angle 1$ and $\angle 9$ _____
- b) $\angle 8$ and $\angle 13$ _____
- c) $\angle 6$ and $\angle 16$ _____
- d) $\angle 4$ and $\angle 10$ _____
- e) $\angle 8$ and $\angle 16$ _____
- f) $\angle 10$ and $\angle 13$ _____

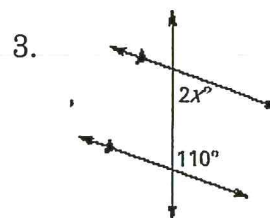
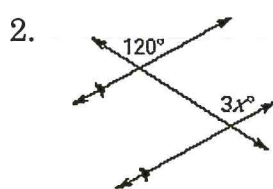
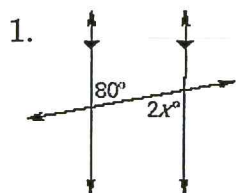


Discovery: Lines l and m are parallel. Note: Parallel lines are distinguished by a matching set of arrows on the lines that are parallel. Find the measure of the missing angles by using transparent paper. Then, let's go back and fill in the theorems.

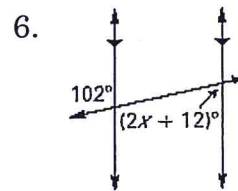
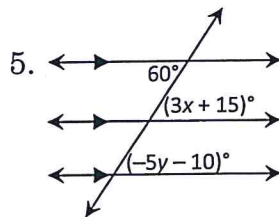
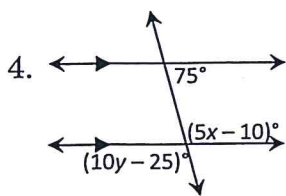
Key Question: If $x = 115^\circ$, is it possible for y to equal 115° ?



For the following diagrams, state the type of angles that are given, state their relationship, and then find x .



Find the missing variables.



On Your Own: For the following diagrams, state the type of angles that are given, state their relationship, and then find x .

