

Name: \_\_\_\_\_

## Parallel Lines & Transversals

Line  $m$  is parallel to line  $n$ . Tell if the angles are *corresponding*, *alternate interior*, *alternate exterior*, *consecutive interior*, or *none of these*.

$\angle 1$  and  $\angle 5$  \_\_\_\_\_

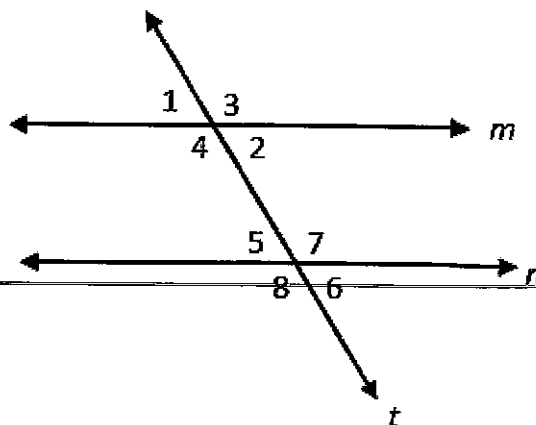
$\angle 2$  and  $\angle 7$  \_\_\_\_\_

$\angle 3$  and  $\angle 5$  \_\_\_\_\_

$\angle 3$  and  $\angle 8$  \_\_\_\_\_

$\angle 4$  and  $\angle 7$  \_\_\_\_\_

$\angle 4$  and  $\angle 8$  \_\_\_\_\_



Line  $a$  is parallel to line  $b$ . Line  $c$  is parallel to line  $d$ . Name the transversal for each angle pair. Then tell if the angles are *corresponding*, *alternate interior*, *alternate exterior*, *consecutive interior*, or *none of these*.

$\angle 12$  and  $\angle 18$  \_\_\_\_\_

$\angle 20$  and  $\angle 21$  \_\_\_\_\_

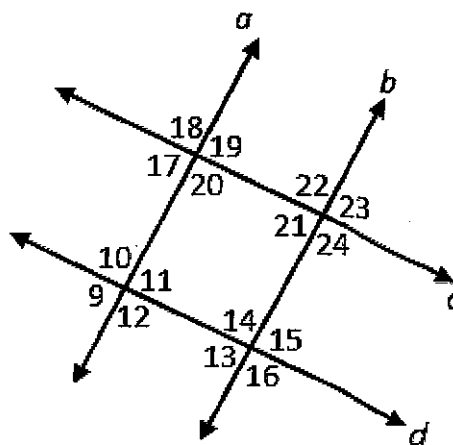
$\angle 10$  and  $\angle 16$  \_\_\_\_\_

$\angle 13$  and  $\angle 21$  \_\_\_\_\_

$\angle 20$  and  $\angle 22$  \_\_\_\_\_

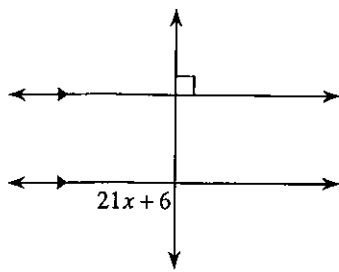
$\angle 11$  and  $\angle 17$  \_\_\_\_\_

$\angle 15$  and  $\angle 24$  \_\_\_\_\_

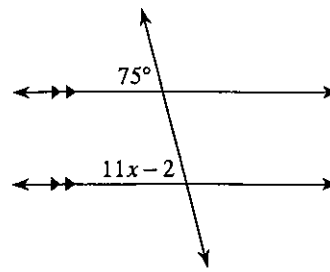


Solve for  $x$ .

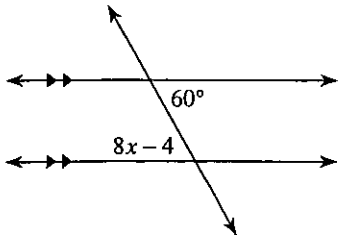
19)



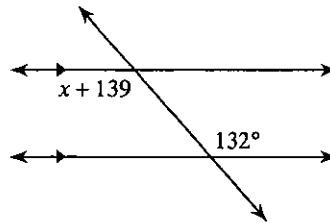
20)



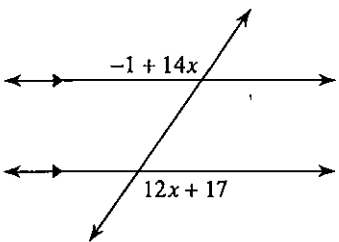
21)



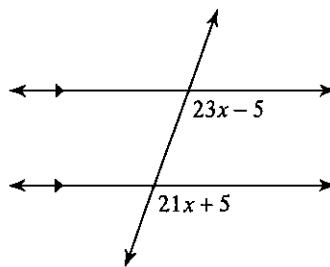
22)



23)

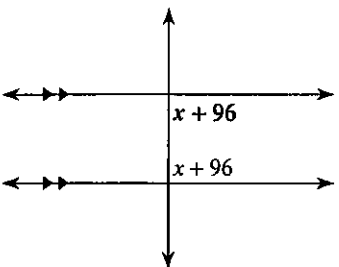


24)

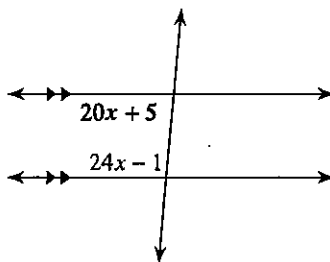


Find the measure of the angle indicated in bold.

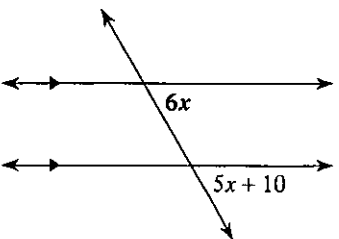
25)



26)



27)



28)

