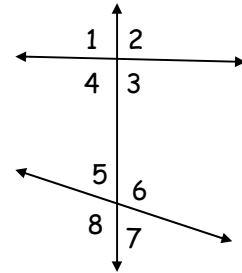


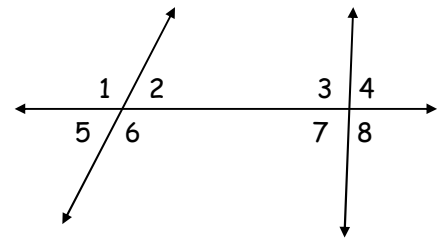
Please classify each angle pair as alternate interior, alternate exterior, same side interior, same side exterior, corresponding, vertical, linear pair, or none.

1. $\angle 3$ and $\angle 7$ _____
2. $\angle 2$ and $\angle 4$ _____
3. $\angle 8$ and $\angle 2$ _____
4. $\angle 1$ and $\angle 6$ _____



Please fill in the blank with the number of the correct angle.

5. $\angle 3$ and _____ are same side interior angles.
6. $\angle 5$ and _____ are alternate exterior angles.
7. $\angle 8$ and _____ are same side exterior angles.
8. $\angle 6$ and _____ are alternate interior angles.



Please find the missing angles given $a \parallel b$.

9. $m\angle 1 =$ _____
 $m\angle 2 =$ _____
 $m\angle 3 =$ _____
 $m\angle 4 =$ _____

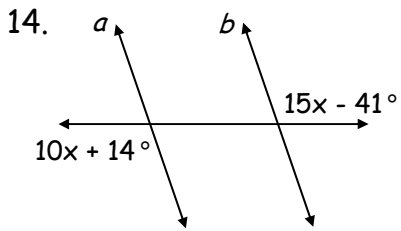
10. $m\angle 1 =$ _____
 $m\angle 2 =$ _____
 $m\angle 3 =$ _____
 $m\angle 4 =$ _____

Given $a \parallel b$, please solve for x .

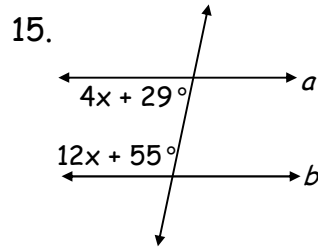
11. $x =$ _____

12. $x =$ _____

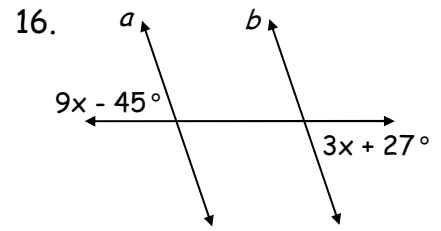
13. $x =$ _____



$x = \underline{\hspace{2cm}}$

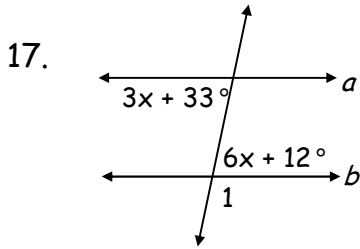


$x = \underline{\hspace{2cm}}$

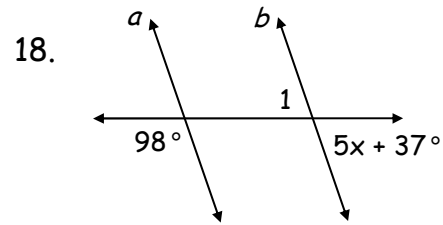


$x = \underline{\hspace{2cm}}$

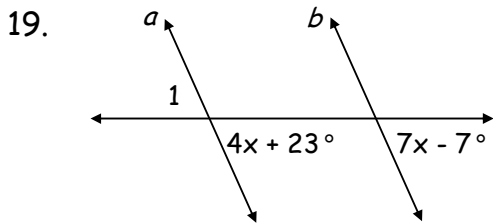
Given $a \parallel b$, please solve for x and find $m\angle 1$.



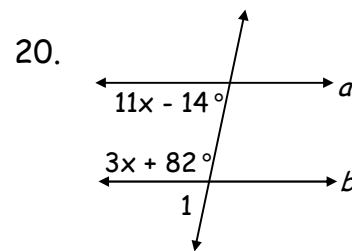
$x = \underline{\hspace{2cm}}$ $m\angle 1 = \underline{\hspace{2cm}}$



$x = \underline{\hspace{2cm}}$ $m\angle 1 = \underline{\hspace{2cm}}$



$x = \underline{\hspace{2cm}}$ $m\angle 1 = \underline{\hspace{2cm}}$



$x = \underline{\hspace{2cm}}$ $m\angle 1 = \underline{\hspace{2cm}}$