Name: _____

Practice: Angles formed by Parallel Lines

For 1-8, identify which type of angle pair is given. (Note: If the angle pair is not one of the special angle pairs we've talked about, put "none.")

1) $\angle 1$ and $\angle 7$

2) $\angle 3$ and $\angle 6$

3) $\angle 4$ and $\angle 8$

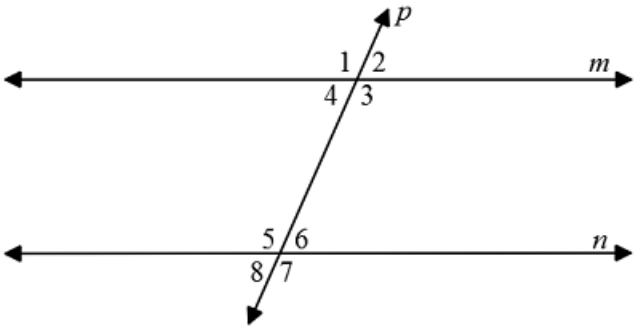
4) $\angle 4$ and $\angle 6$

5) $\angle 3$ and $\angle 7$

6) $\angle 6$ and $\angle 8$

7) $\angle 1$ and $\angle 6$

8) $\angle 5$ and $\angle 6$



For 9 – 14, give an example of an angle pair that matches the given type of angles.

9) Corresponding

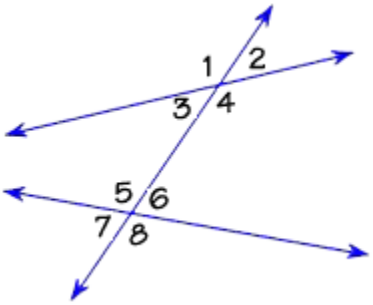
10) Alternate Interior

11) Alternate Exterior

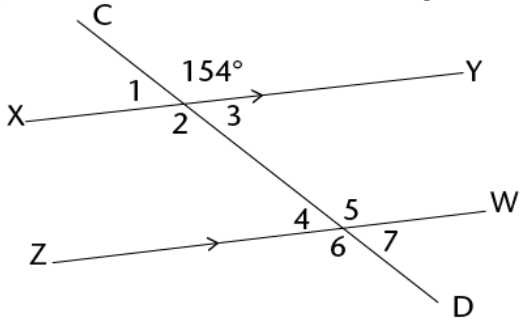
12) Same-side Interior

13) Vertical

14) Linear Pair

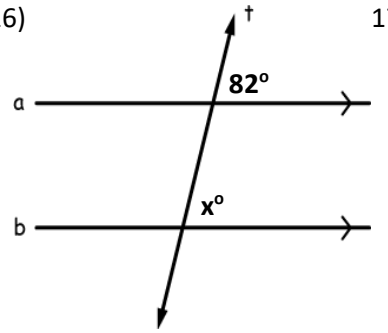


15) Find the measure of all 7 other angles in the diagram. Write answers in the form "$m\angle 1 =$ ____".

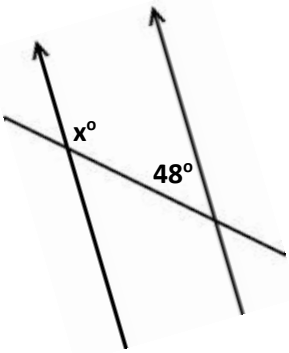


For 16-22, find the values of each variable. You may assume the lines are parallel for each one.

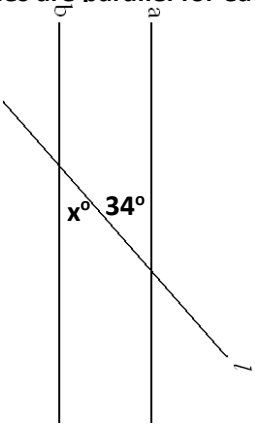
16)



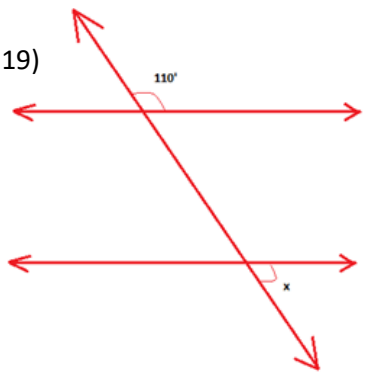
17)

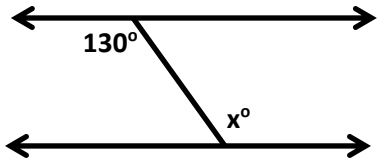


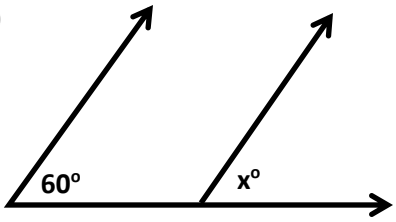
18)

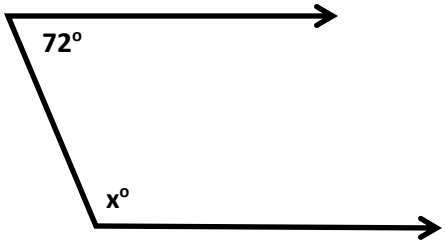


19)

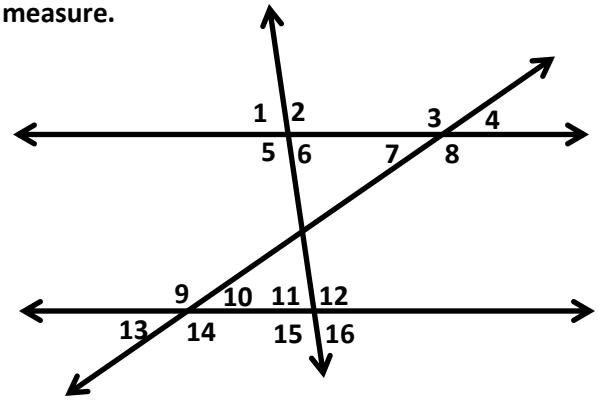


20) 

21) 

22) 

For 23-26, the parallel lines have <u>two</u> transversals. Use the fact that $m\angle 6 = 85^o$ and $m\angle 9 = 150^o$. Find each given angle measure.



23) $m\angle 10$ 24) $m\angle 1$ 25) $m\angle 16$ 26) $m\angle 7$