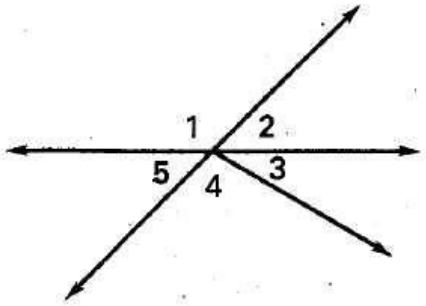
STATION 8

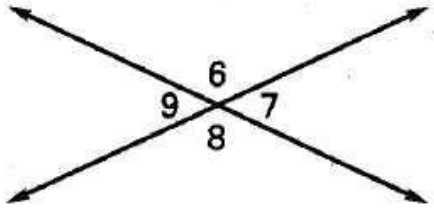
Use the figure at the right.



1. Are $\angle 1$ and $\angle 2$ a linear pair?
2. Are $\angle 4$ and $\angle 5$ a linear pair?
3. Are $\angle 3$ and $\angle 1$ vertical angles?
4. Are $\angle 2$ and $\angle 5$ vertical angles?

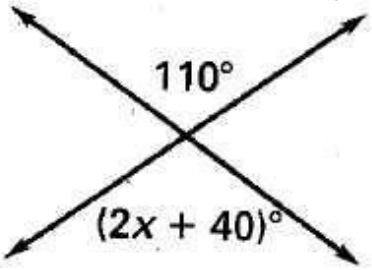
Use the figure at the right.

13. If $m\angle 6 = 51°$, then $m\angle 7 =$ ___?___.
14. If $m\angle 8 = 103°$, then $m\angle 6 =$ ___?___.
7. If $m\angle 9 = 136°$, then $m\angle 8 =$ ___?___.
8. If $m\angle 7 = 53°$, then $m\angle 9 =$ ___?___.



STATION 9

17.



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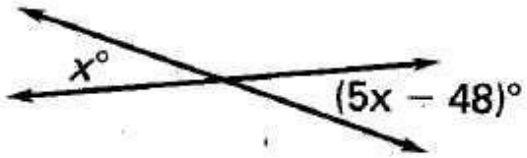

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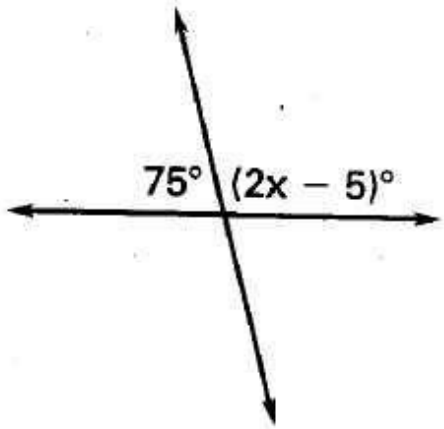
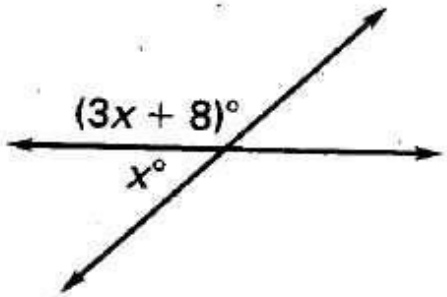


21.



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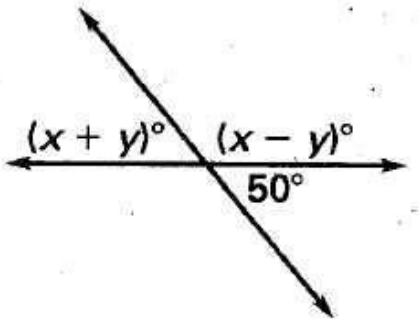
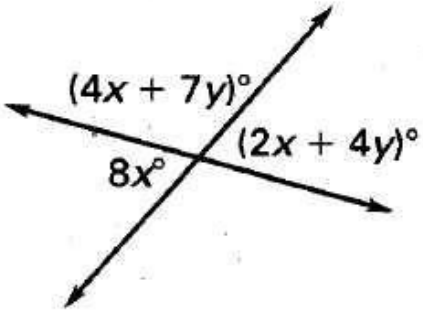
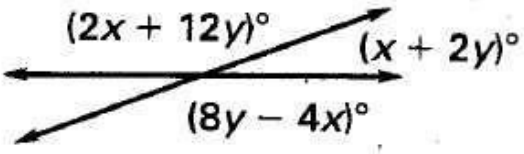


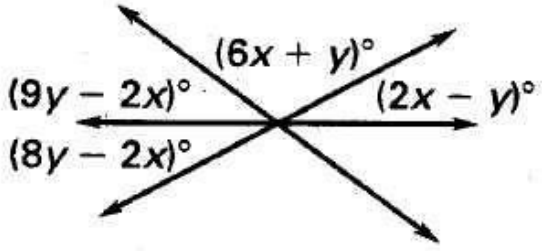
7.



8.

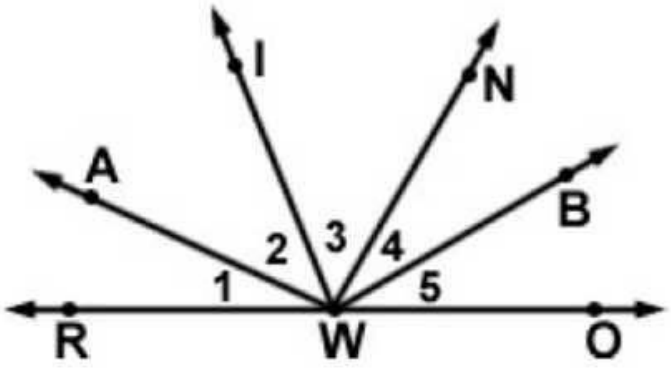


9.



STATION 10

Use the diagram shown to answer the questions below:



58. Name 3 angles adjacent to $\angle IWB$. _____

59. If $m\angle 2 = 5x$, $m\angle 3 = 3(x+6)$, and $m\angle AWN = 74°$, find x. _____

60. If $m\angle 1 = 3x + 4$, $m\angle AWB = 105°$, and $m\angle RWB = 8(x + 8)$, find $m\angle 1$.

61. Suppose that $\overline{WI}$ bisects $\angle AWN$, $m\angle 2 = 11(x - 1)$, and $m\angle 3 = 7x + 9$. ___ Find x and $m\angle 2$. _____