



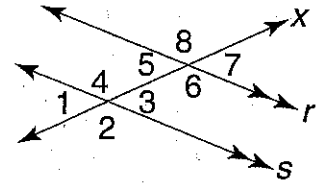
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LESSON
5-2 Homework and Practice
Parallel and Perpendicular Lines

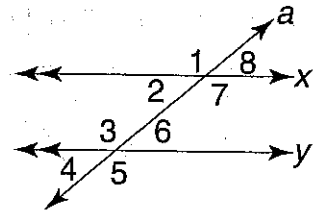
1. Measure the angles formed by the transversal and the parallel lines. Which angles seem to be congruent.



In the figure, line $x \parallel$ line y . Find the measure of each indicated angle, if the $m \angle 8 = 34^\circ$.

2. $\angle 2$ _____ 3. $\angle 3$ _____ 4. $\angle 4$ _____

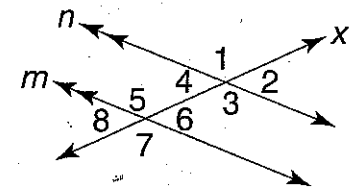
5. $\angle 6$ _____ 6. $\angle 7$ _____ 7. $\angle 1$ _____



In the figure, line $m \parallel$ line n . Find the measure of each angle, if $m \angle 1 = 131^\circ$.

8. $\angle 2$ _____ 9. $\angle 3$ _____ 10. $\angle 4$ _____

11. $\angle 5$ _____ 12. $\angle 6$ _____ 13. $\angle 7$ _____



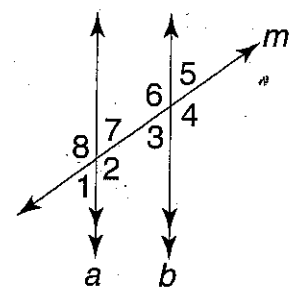
In the figure, line $a \parallel$ line b .

14. Name all angles congruent to $\angle 5$.

15. Name all angles congruent to $\angle 4$.

16. Name three pairs of angles with sums of 180° .

17. Which line is the transversal?





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