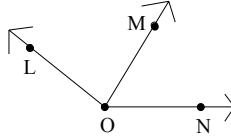
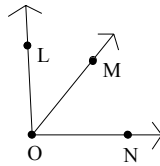


Introduction to Geometry Worksheet I

1. Given $\angle LOM = 83^\circ$ and $\angle LON = 142^\circ$, find the measure of $\angle MON$.

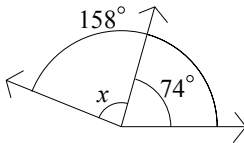


2. Given $\angle LOM = 42^\circ$ and $\angle LON = 93^\circ$, find the measure of $\angle MON$.

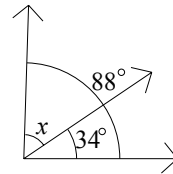


Find the measure of $\angle x$.

3.

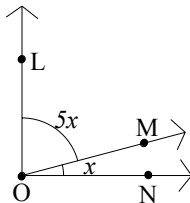


4.

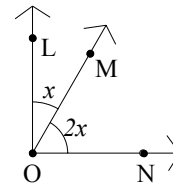


Given $\angle LON$ is a right angle, find the measure of $\angle x$.

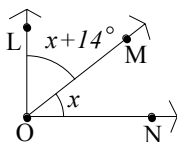
5.



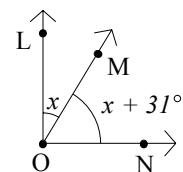
6.



7.

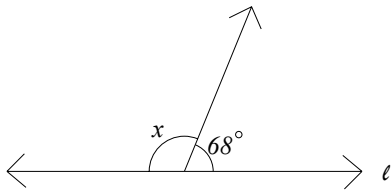


8.

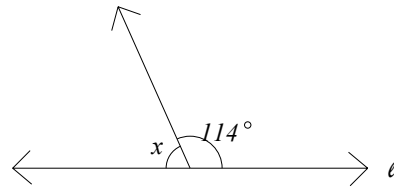


Find the measure of $\angle x$.

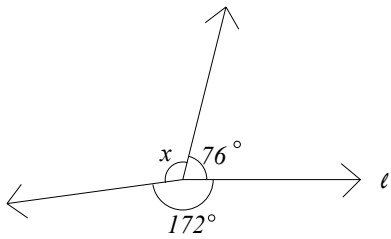
9.



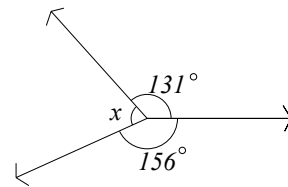
10.



11.

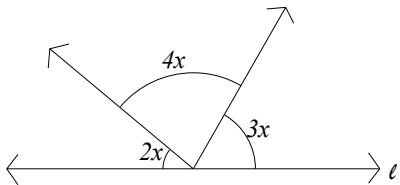


12.

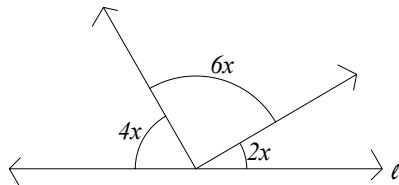


Find x .

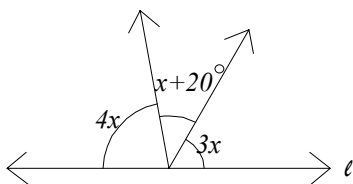
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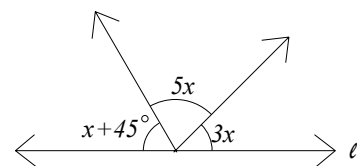
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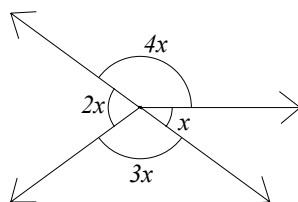
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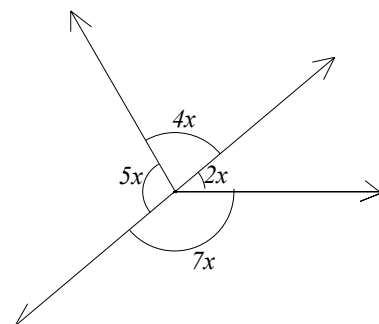
16.



17.

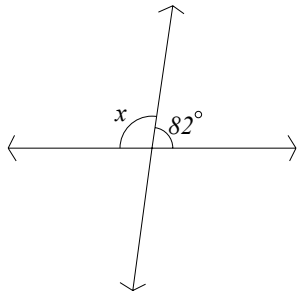


18.

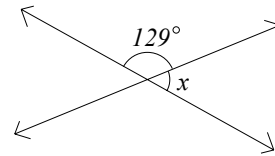


Find the measure of $\angle x$.

19.

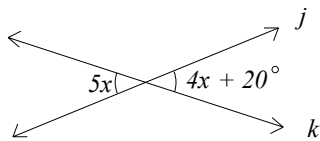


20.

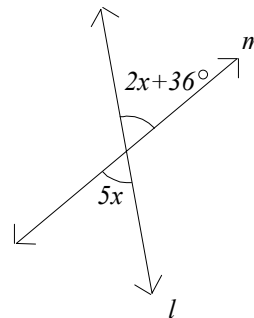


Find x .

21.

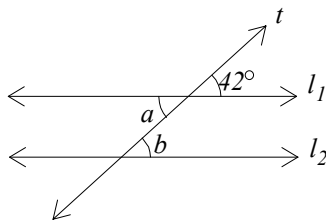


22.

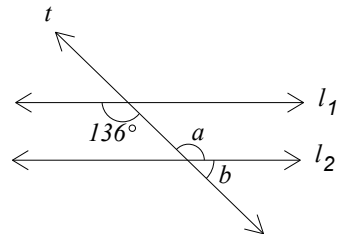


Given $l_1 \parallel l_2$, find the measures of $\angle a$ and $\angle b$.

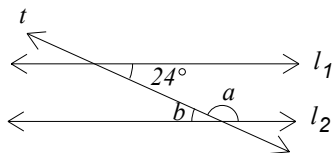
23.



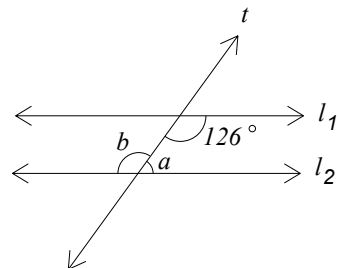
24.



25.

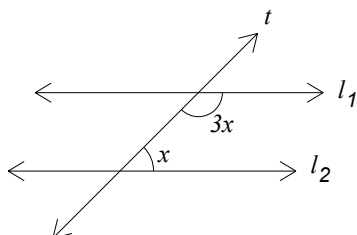


26.

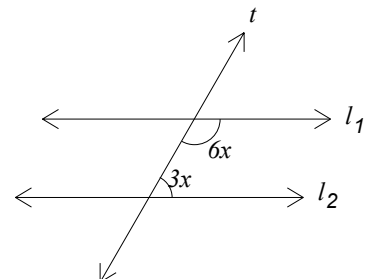


Given $l_1 \parallel l_2$, find x .

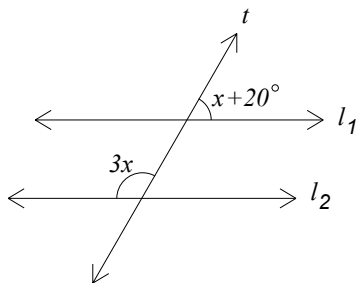
27.



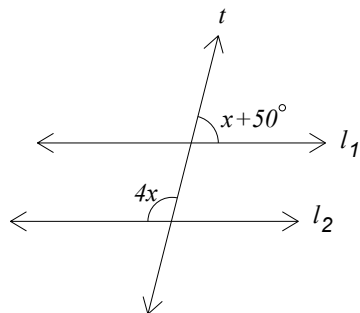
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29.

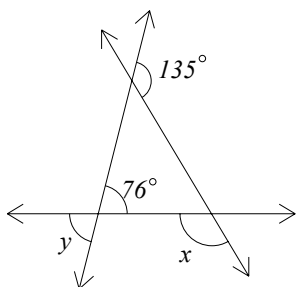


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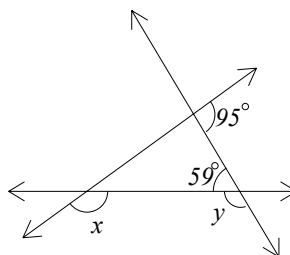


Find the measures of $\angle x$ and $\angle y$.

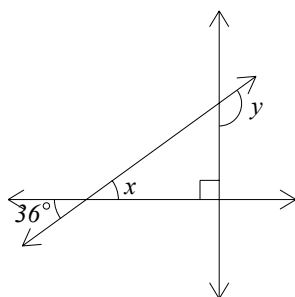
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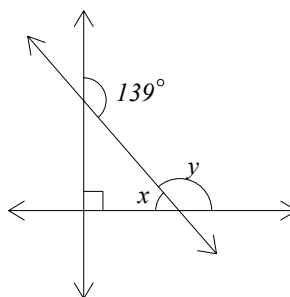
32.



33.



34.



ANSWERS

1. 59° 3. 84° 5. 15° 7. 38° 9. 112° 11. 112° 13. 20° 15. 20° 17. 36° 19. 98°
 21. 20° 23. $\angle a = 42^\circ, \angle b = 42^\circ$ 25. $\angle a = 156^\circ, \angle b = 24^\circ$ 27. 45° 29. 40°
 31. $\angle x = 121^\circ, \angle y = 76^\circ$ 33. $\angle x = 36^\circ, \angle y = 126^\circ$