

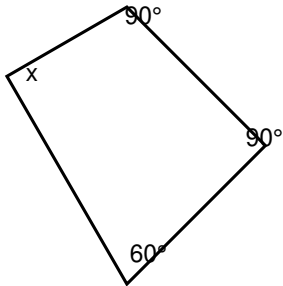
MISSING ANGLES IN QUADRILATERALS

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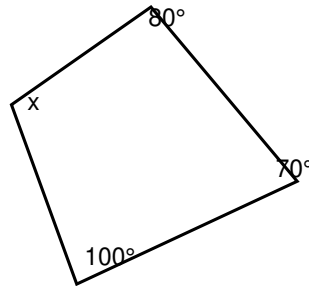
MAIN QUESTIONS



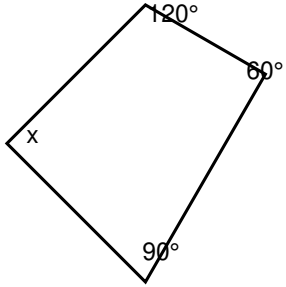
1. A quadrilateral has angles 90° , 90° , and 60° . Find the missing angle.



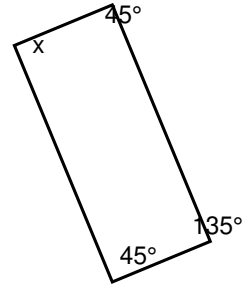
2. A quadrilateral has angles 80° , 70° , and 100° . Find the missing angle.



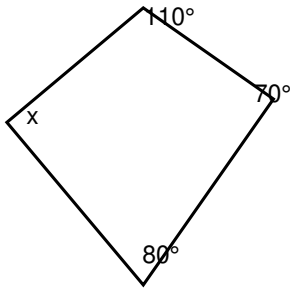
3. A quadrilateral has angles 120° , 60° , and 90° . Find the missing angle.



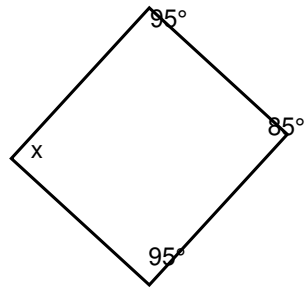
4. A quadrilateral has angles 45° , 135° , and 45° . Find the missing angle.



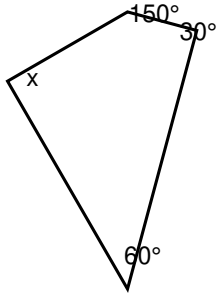
5. A quadrilateral has angles 110° , 70° , and 80° . Find the missing angle.



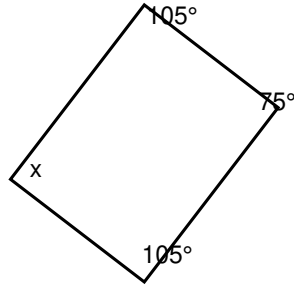
6. A quadrilateral has angles 95° , 85° , and 95° . Find the missing angle.



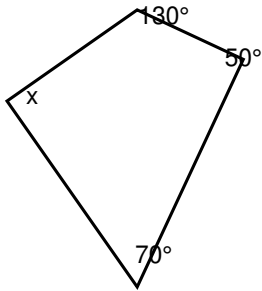
7. A quadrilateral has angles 150° , 30° , and 60° . Find the missing angle.



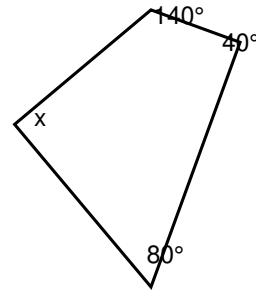
8. A quadrilateral has angles 105° , 75° , and 105° . Find the missing angle.



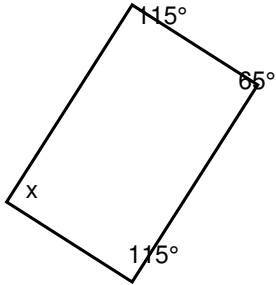
9. A quadrilateral has angles 130° , 50° , and 70° . Find the missing angle.



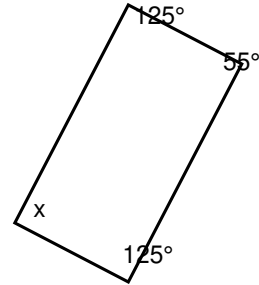
10. A quadrilateral has angles 140° , 40° , and 80° . Find the missing angle.



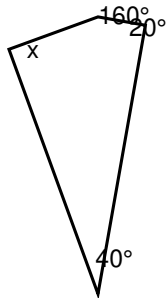
11. A quadrilateral has angles 115° , 65° , and 115° . Find the missing angle.



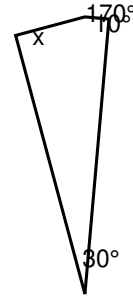
12. A quadrilateral has angles 125° , 55° , and 125° . Find the missing angle.



13. A quadrilateral has angles 160° , 20° , and 40° . Find the missing angle.



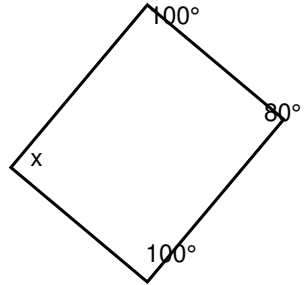
14. A quadrilateral has angles 170° , 10° , and 30° . Find the missing angle.



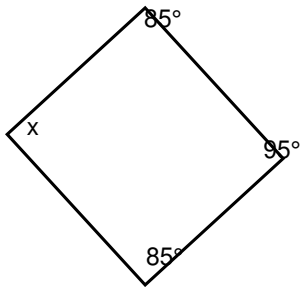
15. A quadrilateral has angles 175° , 5° , and 10° . Find the missing angle.



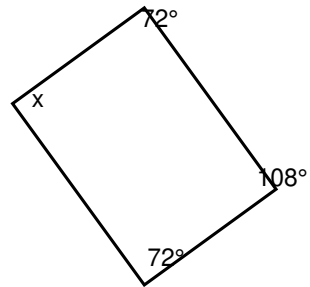
16. A quadrilateral has angles 100° , 80° , and 100° . Find the missing angle.



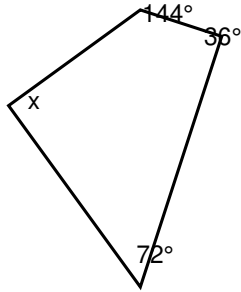
17. A quadrilateral has angles 85° , 95° , and 85° . Find the missing angle.



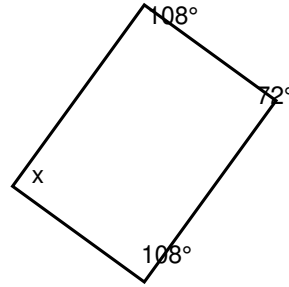
18. A quadrilateral has angles 72° , 108° , and 72° . Find the missing angle.



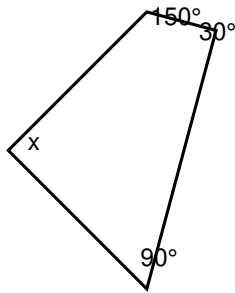
19. A quadrilateral has angles 144° , 36° , and 72° . Find the missing angle.



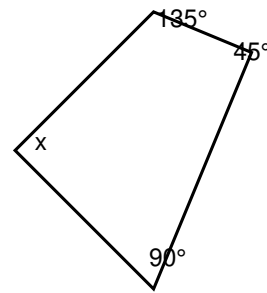
20. A quadrilateral has angles 108° , 72° , and 108° . Find the missing angle.



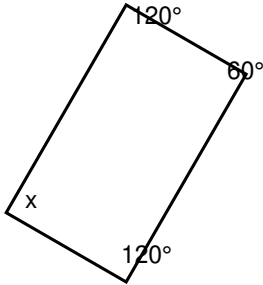
21. A quadrilateral has angles 150° , 30° , and 90° . Find the missing angle.



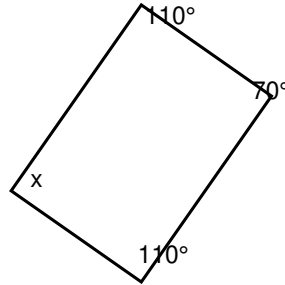
22. A quadrilateral has angles 135° , 45° , and 90° . Find the missing angle.



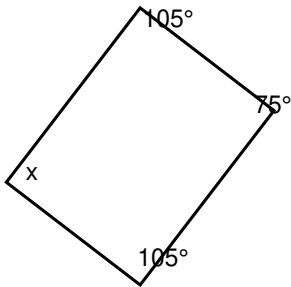
23. A quadrilateral has angles 120° , 60° , and 120° . Find the missing angle.



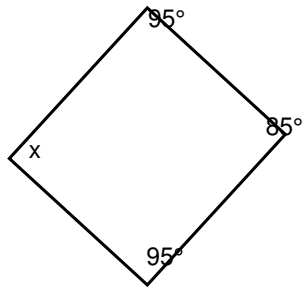
24. A quadrilateral has angles 110° , 70° , and 110° . Find the missing angle.



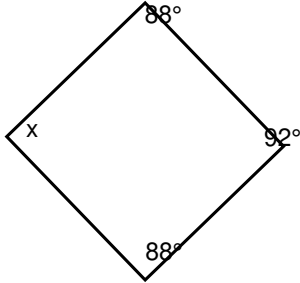
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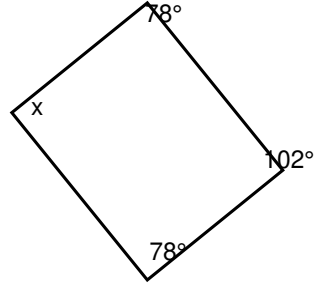
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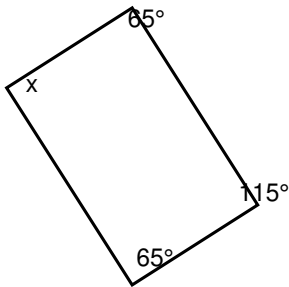
27. A quadrilateral has angles 88° , 92° , and 88° . Find the missing angle.



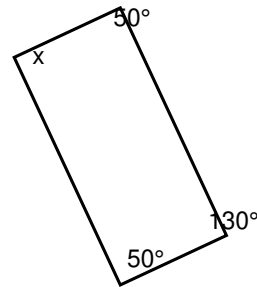
28. A quadrilateral has angles 78° , 102° , and 78° . Find the missing angle.



29. A quadrilateral has angles 65° , 115° , and 65° . Find the missing angle.



30. A quadrilateral has angles 50° , 130° , and 50° . Find the missing angle.



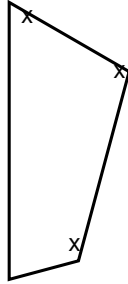
MASTER QUESTIONS



- M1. A quadrilateral has three angles in the ratio 2:3:4. The fourth angle is 90° . Find the measures of the other three angles.

- M2. In a quadrilateral, one angle is twice the smallest angle, another angle is three times the smallest angle, and the fourth angle is 100° . Find all four angles.

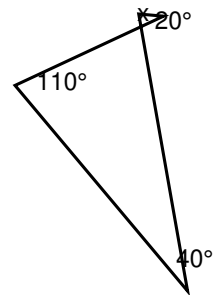
- M3. A quadrilateral has two right angles. The third angle is 30° more than the fourth angle. Find the measures of the third and fourth angles.



- M4. Three angles of a quadrilateral are equal and the fourth angle is 120° . Find the measure of each of the equal angles.

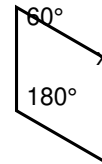
- M5. In a quadrilateral, the angles are in the ratio $1:2:3:4$. Find the measure of each angle.

- M6. A quadrilateral has one angle that is 20° less than twice the smallest angle, another angle that is 40° more than the smallest angle, and a fourth angle of 110° . Find all four angles.



M7. Three angles of a quadrilateral are in the ratio 3:5:7 and the fourth angle is 60° . Find the measures of the other three angles.

M8. In a quadrilateral, the sum of the first two angles is 180° , the third angle is twice the fourth angle, and the fourth angle is 60° . Find all four angles.



M9. A quadrilateral has two angles that are complementary and the other two angles are equal. If one of the complementary angles is 30° , find the measures of the other three angles.

M10. In a quadrilateral, the first angle is equal to the second angle, the third angle is twice the first angle, and the fourth angle is 30° less than the third angle. Find all four angles.