

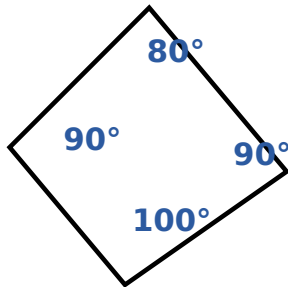
ANGLES IN QUADRILATERALS

Answer all of these questions. Remember to show your working out in all questions.

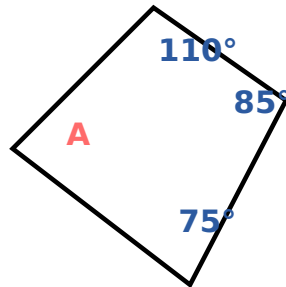
MAIN QUESTIONS



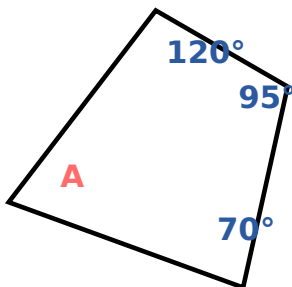
1. Find the missing angles in this diagram.



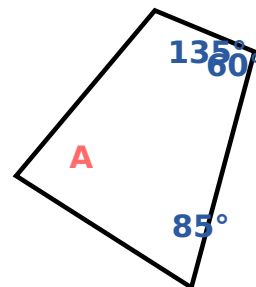
2. Find the missing angles in this diagram.



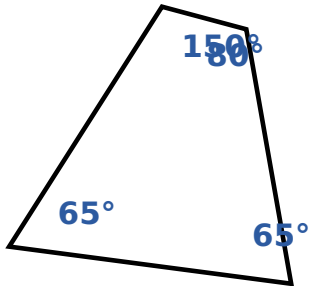
3. Find the missing angles in this diagram.



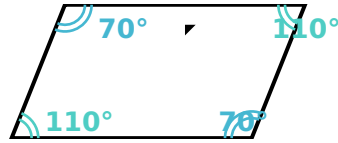
4. Find the missing angles in this diagram.



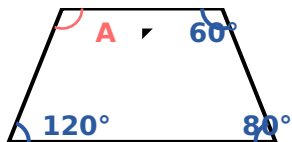
5. Find the missing angles in this diagram.



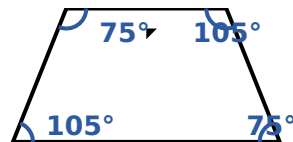
6. In a parallelogram, three angles are 110° , 70° , and 110° . Find the fourth angle.



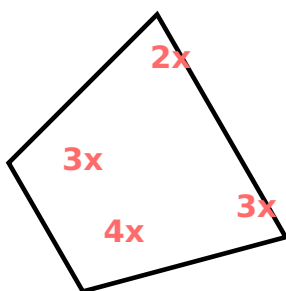
7. A kite has angles 120° , 80° , and 60° . Determine the missing angle.



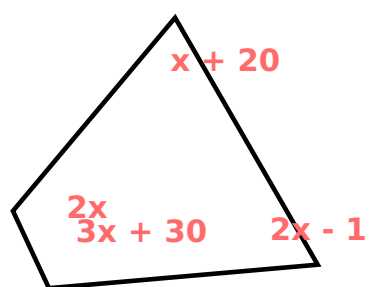
8. In a trapezium, three angles measure 105° , 75° , and 105° . Find the fourth angle.



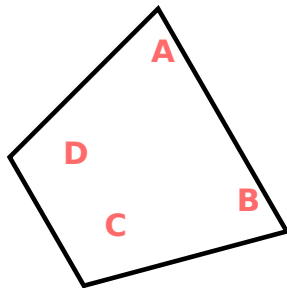
9. Find the missing angles in this diagram.



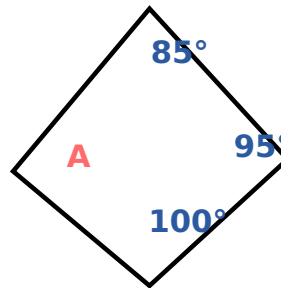
10. Find the missing angles in this diagram.



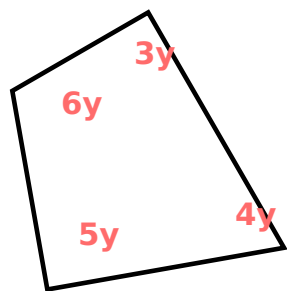
11. Find the missing angles in this diagram.



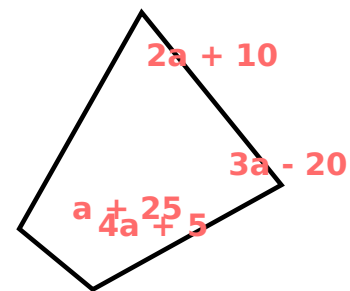
12. Find the missing angles in this diagram.



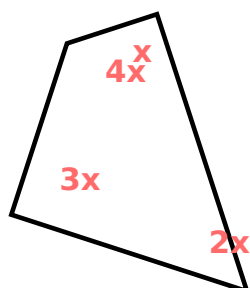
13. Find the missing angles in this diagram.



14. Find the missing angles in this diagram.



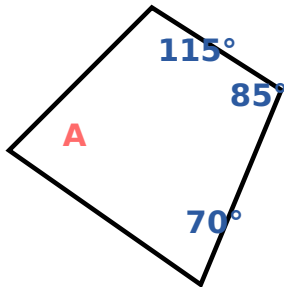
15. Find the missing angles in this diagram.



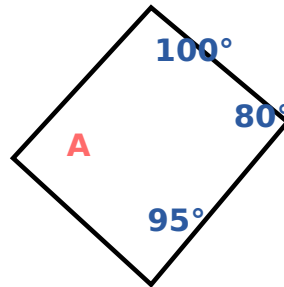
MASTER QUESTIONS



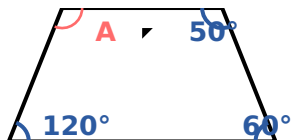
M1. Find the missing angles in this diagram.



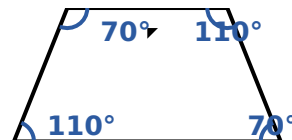
M2. Find the missing angles in this diagram.



M3. A playground is designed as a kite-shaped quadrilateral. Three of its angles measure 120° , 60° , and 50° . What must the fourth angle be to maintain the kite shape?



M4. A farmer's field is trapezium-shaped. Three angles of the field measure 110° , 70° , and 110° . What is the measure of the fourth angle to ensure the field boundaries are correct?



M5. Find the missing angles in this diagram.

