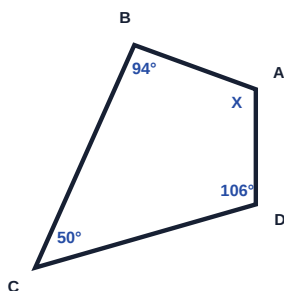


Angles in Quadrilaterals

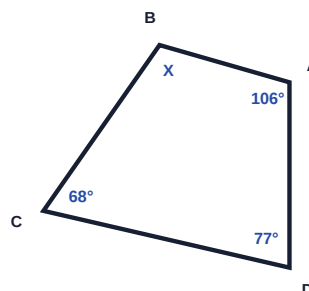
Use the 360-degree sum of the interior angles to find each missing angle.

1. Find the angle marked X.



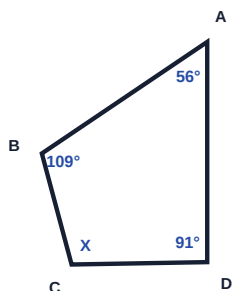
angle DAB = _____

2. Find the angle marked X.



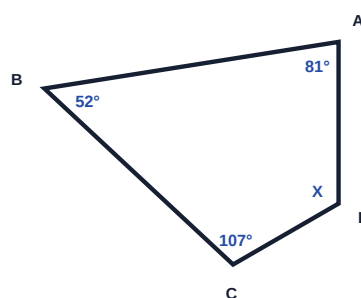
angle ABC = _____

3. Find the angle marked X.



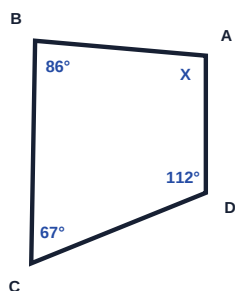
angle BCD = _____

4. Find the angle marked X.



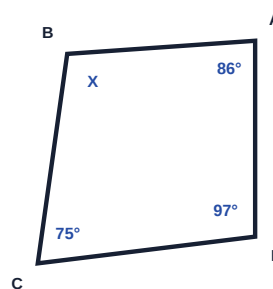
angle CDA = _____

5. Find the angle marked X.



angle DAB = _____

6. Find the angle marked X.

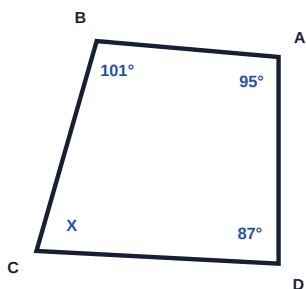


angle ABC = _____

Angles in Quadrilaterals

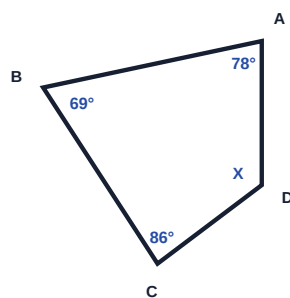
Use the 360-degree sum of the interior angles to find each missing angle.

7. Find the angle marked X.



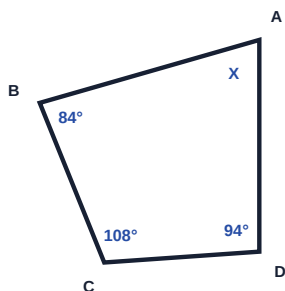
angle BCD = _____

8. Find the angle marked X.



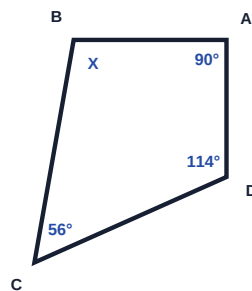
angle CDA = _____

9. Find the angle marked X.



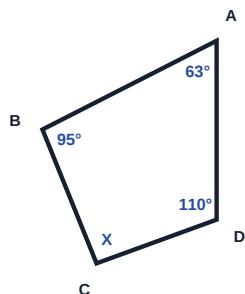
angle DAB = _____

10. Find the angle marked X.



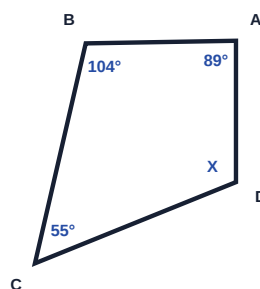
angle ABC = _____

11. Find the angle marked X.



angle BCD = _____

12. Find the angle marked X.



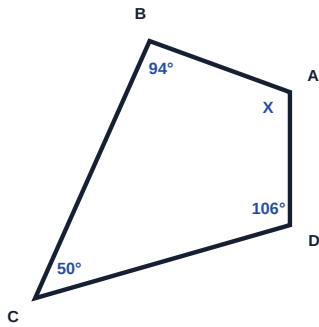
angle CDA = _____

Angles in Quadrilaterals

Worked Answer Key

Use the 360-degree sum of the interior angles to find each missing angle.

1. Find the angle marked X.



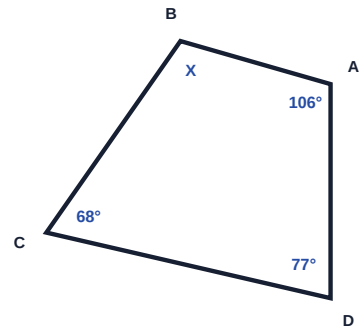
Interior angles of a quadrilateral sum to 360 deg.

$$94 + 50 + 106 = 250 \text{ deg.}$$

$$360 \text{ deg} - 250 \text{ deg} = 110 \text{ deg.}$$

Answer: angle DAB = 110 deg

2. Find the angle marked X.



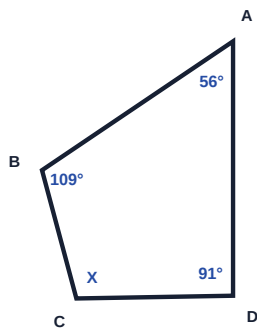
Interior angles of a quadrilateral sum to 360 deg.

$$106 + 68 + 77 = 251 \text{ deg.}$$

$$360 \text{ deg} - 251 \text{ deg} = 109 \text{ deg.}$$

Answer: angle ABC = 109 deg

3. Find the angle marked X.



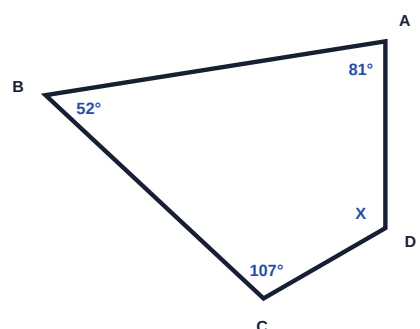
Interior angles of a quadrilateral sum to 360 deg.

$$56 + 109 + 91 = 256 \text{ deg.}$$

$$360 \text{ deg} - 256 \text{ deg} = 104 \text{ deg.}$$

Answer: angle BCD = 104 deg

4. Find the angle marked X.



Interior angles of a quadrilateral sum to 360 deg.

$$81 + 52 + 107 = 240 \text{ deg.}$$

$$360 \text{ deg} - 240 \text{ deg} = 120 \text{ deg.}$$

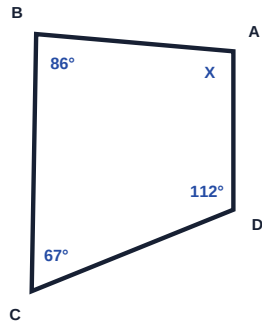
Answer: angle CDA = 120 deg

Angles in Quadrilaterals

Worked Answer Key

Use the 360-degree sum of the interior angles to find each missing angle.

5. Find the angle marked X.



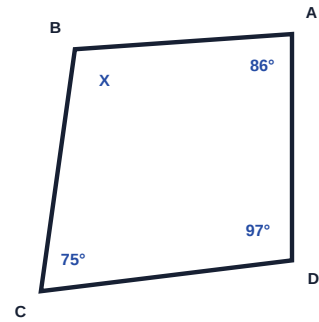
Interior angles of a quadrilateral sum to 360 deg.

$$86 + 67 + 112 = 265 \text{ deg.}$$

$$360 \text{ deg} - 265 \text{ deg} = 95 \text{ deg.}$$

Answer: angle DAB = 95 deg

6. Find the angle marked X.



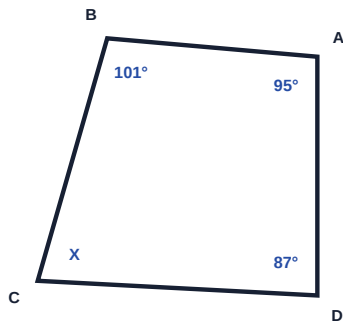
Interior angles of a quadrilateral sum to 360 deg.

$$86 + 75 + 97 = 258 \text{ deg.}$$

$$360 \text{ deg} - 258 \text{ deg} = 102 \text{ deg.}$$

Answer: angle ABC = 102 deg

7. Find the angle marked X.



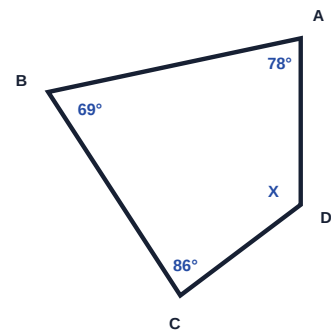
Interior angles of a quadrilateral sum to 360 deg.

$$95 + 101 + 87 = 283 \text{ deg.}$$

$$360 \text{ deg} - 283 \text{ deg} = 77 \text{ deg.}$$

Answer: angle BCD = 77 deg

8. Find the angle marked X.



Interior angles of a quadrilateral sum to 360 deg.

$$78 + 69 + 86 = 233 \text{ deg.}$$

$$360 \text{ deg} - 233 \text{ deg} = 127 \text{ deg.}$$

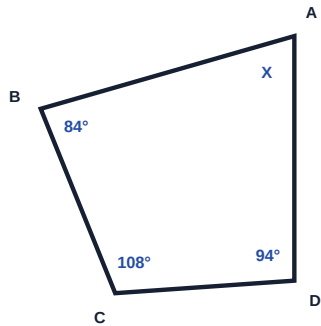
Answer: angle CDA = 127 deg

Angles in Quadrilaterals

Worked Answer Key

Use the 360-degree sum of the interior angles to find each missing angle.

9. Find the angle marked X.



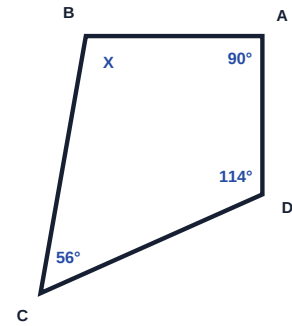
Interior angles of a quadrilateral sum to 360 deg.

$$84 + 108 + 94 = 286 \text{ deg.}$$

$$360 \text{ deg} - 286 \text{ deg} = 74 \text{ deg.}$$

Answer: angle DAB = 74 deg

10. Find the angle marked X.



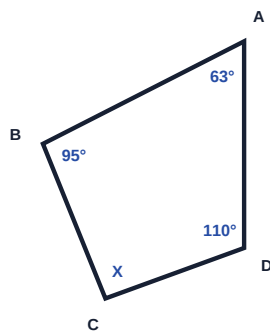
Interior angles of a quadrilateral sum to 360 deg.

$$90 + 56 + 114 = 260 \text{ deg.}$$

$$360 \text{ deg} - 260 \text{ deg} = 100 \text{ deg.}$$

Answer: angle ABC = 100 deg

11. Find the angle marked X.



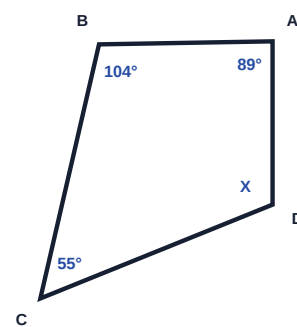
Interior angles of a quadrilateral sum to 360 deg.

$$63 + 95 + 110 = 268 \text{ deg.}$$

$$360 \text{ deg} - 268 \text{ deg} = 92 \text{ deg.}$$

Answer: angle BCD = 92 deg

12. Find the angle marked X.



Interior angles of a quadrilateral sum to 360 deg.

$$89 + 104 + 55 = 248 \text{ deg.}$$

$$360 \text{ deg} - 248 \text{ deg} = 112 \text{ deg.}$$

Answer: angle CDA = 112 deg