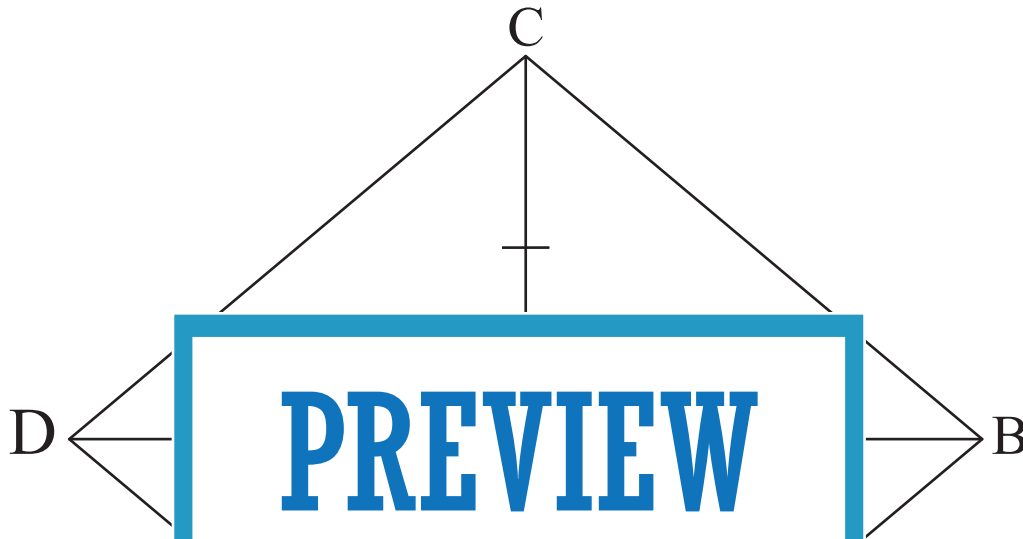


PROPERTIES OF A RHOMBUS (Based on the diagonals)



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➤ The diagonals of a rhombus bisect each other.

➤ The diagonals of a rhombus are perpendicular to each other.

$$\overline{AO} \cong \overline{OC} ; \overline{BO} \cong \overline{OD}$$

➤ Each diagonal divides a rhombus into **two congruent triangles**.

$$\triangle DAB \cong \triangle BCD ; \triangle ADC \cong \triangle CBA$$