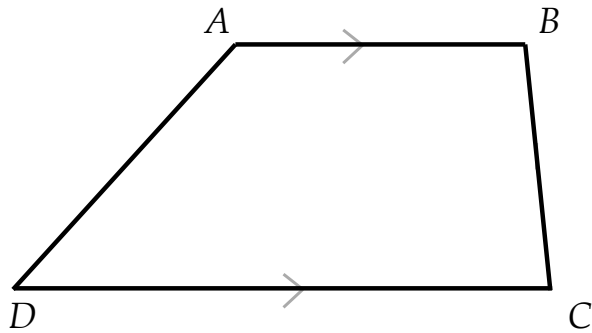
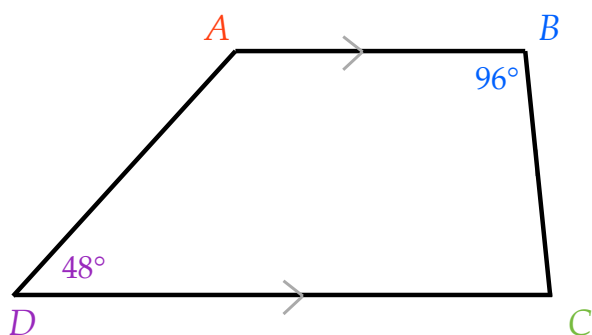


If a quadrilateral is a **trapezoid**,  
then the **bases** are parallel.

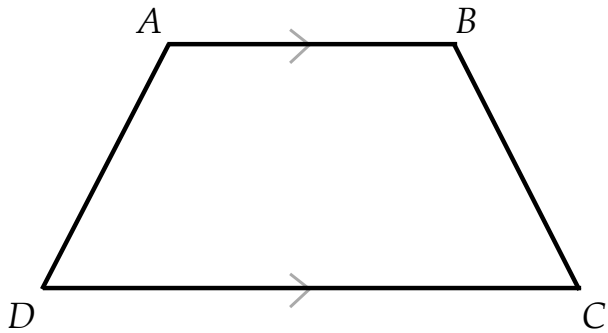


Determine  $m\angle A$  and  $m\angle C$

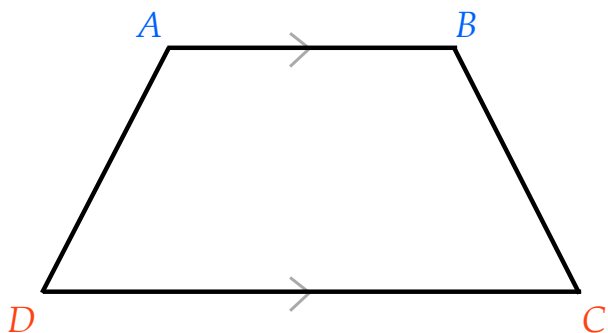
Given  $ABCD$  is a trapezoid.



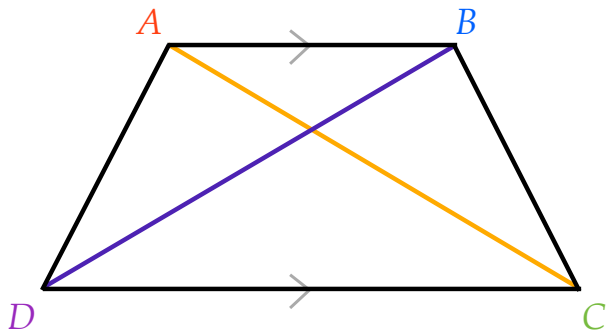
If a quadrilateral is an **isosceles trapezoid**,  
then the **legs** are congruent.



If a quadrilateral is an **isosceles trapezoid**,  
then **both pairs** of base angles are congruent.



If a quadrilateral is an **isosceles trapezoid**,  
then the **diagonals** are congruent.



Statements	Reasons
	Given: $ABCD$ is an isosceles trapezoid
	Prove: $\overline{AC} \cong \overline{DB}$

Determine value for  $x$ ,  $y$ ,  $m\angle A$ ,  $m\angle B$  and  $m\angle C$

Given  $ABCD$  is an isosceles trapezoid.

