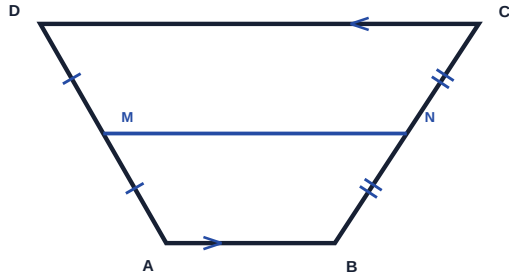


Properties of Trapezoids

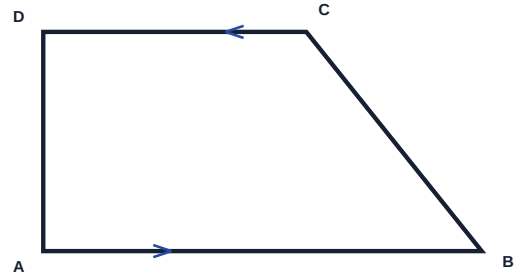
Use supplementary same-leg angles, isosceles diagonals, and the trapezoid midsegment formula to find each measure.

1. $AB = 15$ units; $CD = 39$ units. Find MN .



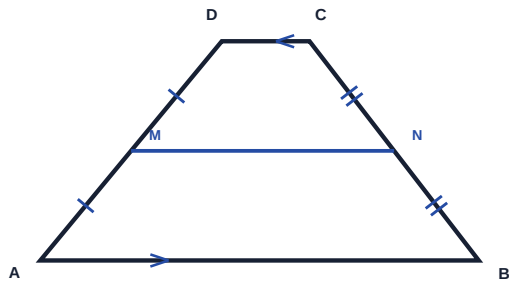
$MN =$ _____

2. $\angle CDA = 90^\circ$. Find $\angle DAB$.



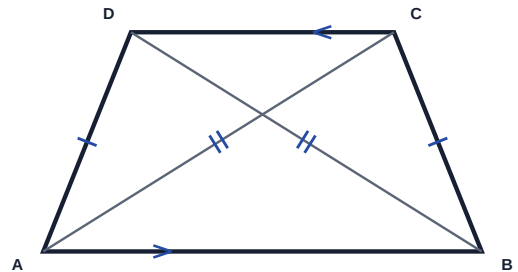
$\angle DAB =$ _____

3. $MN = 30$ units; $CD = 10$ units. Find AB .



$AB =$ _____

4. $BD = 18$ units. Find AC .

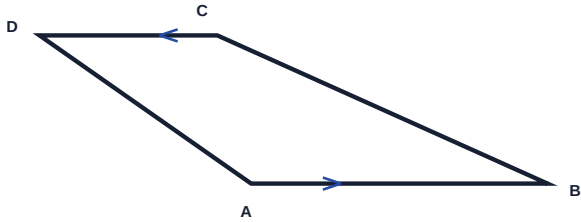


$AC =$ _____

Properties of Trapezoids

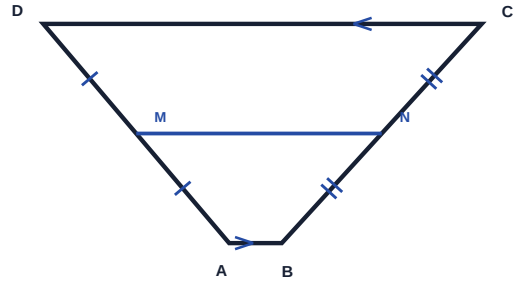
Use supplementary same-leg angles, isosceles diagonals, and the trapezoid midsegment formula to find each measure.

5. angle CDA = 35 deg. Find angle DAB.



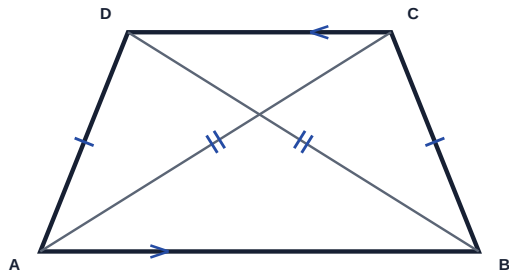
angle DAB = _____

6. AB = 6 units; CD = 50 units. Find MN.



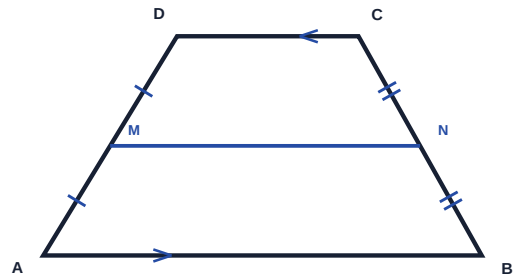
MN = _____

7. BD = 17 units. Find AC.



AC = _____

8. MN = 41 units; CD = 24 units. Find AB.



AB = _____