

Name:

11.3 Do Now: Quadrilaterals

1. Given rhombus $ABCD$ with $m\angle A = 45^\circ$, and $AB = 7$. Find the value of each angle measure or side length.

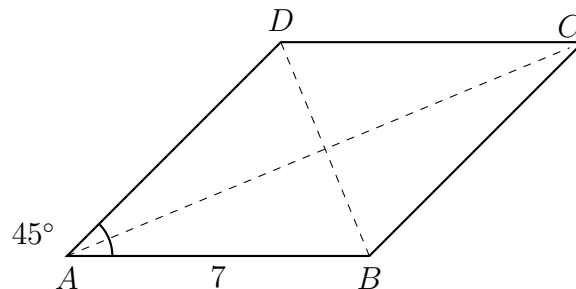
(a) $m\angle B =$

(b) $m\angle C =$

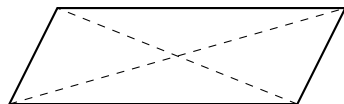
(c) $m\angle D =$

(d) $CD =$

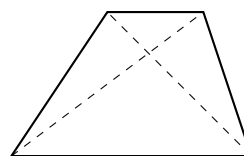
(e) $AD =$



2. Circle Always, Sometimes, Never, as applies.



Example Parallelogram



Example Trapezoid

- (a) Always Sometimes Never Opposite sides of a parallelogram are parallel.
- (b) Always Sometimes Never Diagonals of a parallelogram are congruent.
- (c) Always Sometimes Never One pair of opposite sides of a trapezoid are parallel.
- (d) Always Sometimes Never Opposite angles of a rhombus are congruent.
3. The long diagonal of rhombus PQRS measures $PR = 8$ and the short diagonal is $QS = 6$. The intersection of the diagonals is M . Find the given measures.

(a) $PM =$

(b) $QM =$

(c) $PQ =$

(d) $m\angle SPQ =$

