

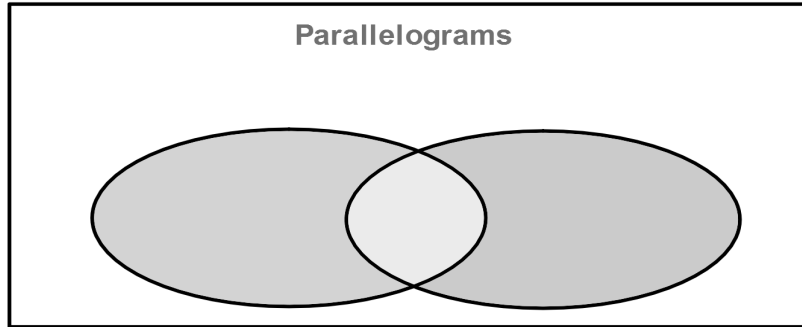
So....

Is a square a rectangle?

Is a rectangle a square?

Is a square a rhombus?

Is a rhombus a square?

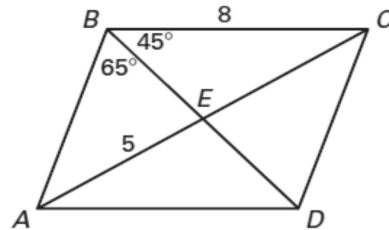


Using Properties of Parallelograms

Angles

ABCD is a parallelogram LMNQ. Find the requested piece(s) and justify your answer.

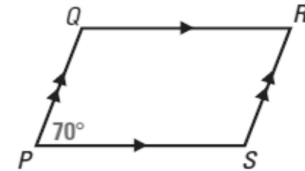
1. $m \angle ADC$
2. $m \angle BCD$



EXAMPLE 1 Using Properties of Parallelograms

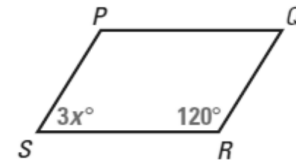
PQRS is a parallelogram.
Find the angle measure.

- a. $m \angle R$
- b. $m \angle Q$



EXAMPLE 2 Using Algebra with Parallelograms

PQRS is a parallelogram.
Find the value of x.

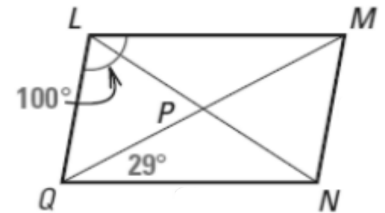


Using Properties of Parallelograms

Angles

LMNQ is a parallelogram LMNQ. Find the requested piece(s) and justify your answer.

1. $m \angle LMN$
2. $m \angle NQL$
3. $m \angle MNQ$
4. $m \angle LMQ$

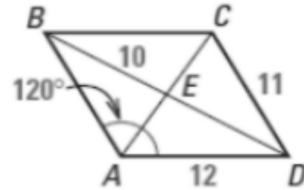


Using Properties of Parallelograms

Angles

ABCD is a parallelogram. Find the requested piece(s) and justify your answer.

1. $m \angle CDA$
2. $m \angle ABC$
3. $m \angle BCD$

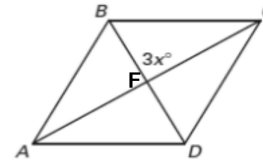


Using Properties of Parallelograms

Angles

Find the requested piece(s) and justify your answer.

1. ABCD is a rhombus.
2. KLMN is a rectangle.



- a. Solve for x.
- b. $m \angle BFC$



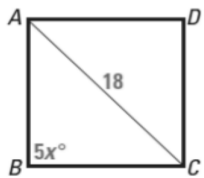
- a. Solve for x.
- b. $m \angle KNM$

Using Properties of Parallelograms

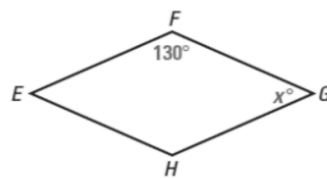
Angles

Find the requested piece(s) and justify your answer.

3. ABCD is a square.
4. EFGH is a rhombus.



- a. Solve for x.
- b. $m \angle ACB$



- a. Solve for x.
- b. $m \angle EHG$

Using Properties of Parallelograms

Angles

The following are parallelograms. Find the value of each variable.

