

Special Quadrilaterals



Overview of problems



Example Set: A

Circle the term that the property applies

Opposite angles are congruent

Parallelogram Square Rectangle Rhombus

Opposite sides are parallel

Parallelogram Square Rectangle Rhombus

Diagonals bisect each other

Parallelogram Square Rectangle Rhombus

Diagonals are perpendicular

Parallelogram Square Rectangle Rhombus

All angles are right angles

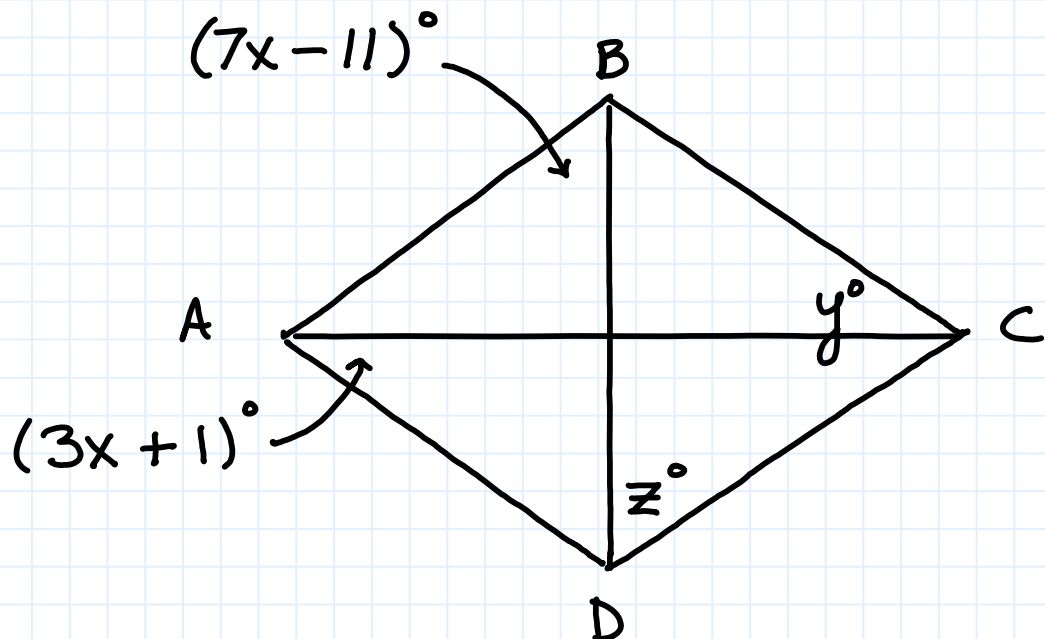
Parallelogram Square Rectangle Rhombus



Example Set: B

Find the values of the variables

ABCD is a rhombus



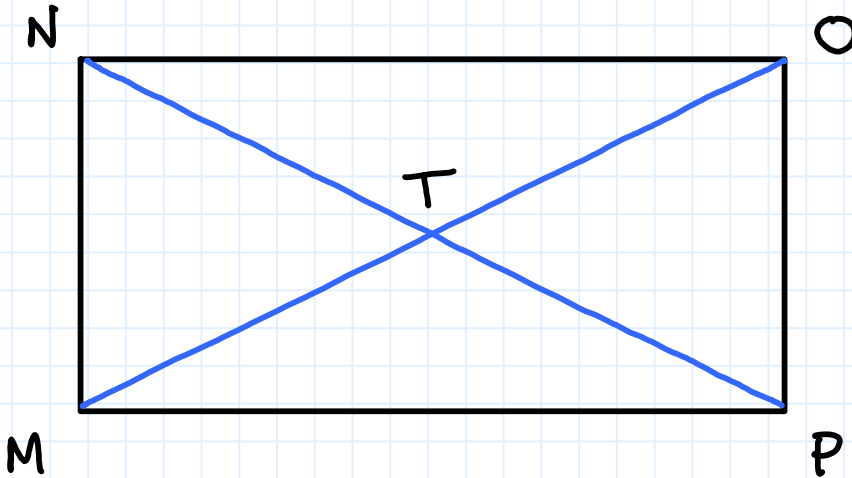


Example Set: C

Find the value of x

Given $MNOP$ is a rectangle and

$$MT = 4x + 7 \text{ and } NP = 30$$



Special Quadrilaterals



Overview of problems- KEY



Example Set: A

Circle the term that the property applies

Opposite angles are congruent

Parallelogram

Square

Rectangle

Rhombus

Opposite sides are parallel

Parallelogram

Square

Rectangle

Rhombus

Diagonals bisect each other

Parallelogram

Square

Rectangle

Rhombus

Diagonals are perpendicular

Parallelogram Square Rectangle Rhombus

All angles are right angles

Parallelogram Square Rectangle Rhombus

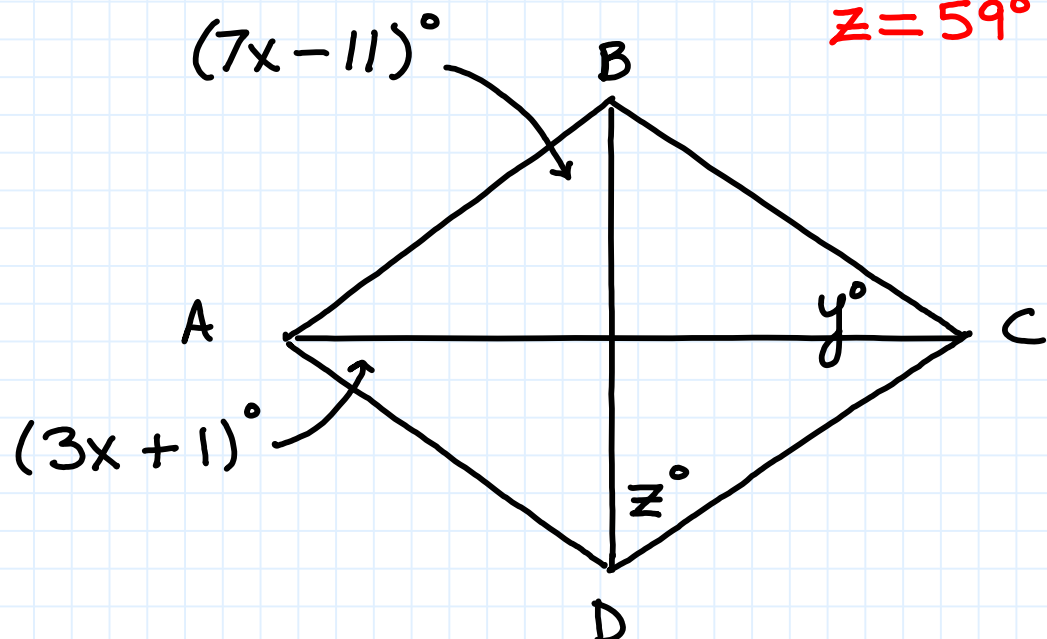


Example Set: B

Find the values of the variables

ABCD is a rhombus

$$\begin{aligned}x &= 10^\circ \\y &= 31^\circ \\z &= 59^\circ\end{aligned}$$





Example Set: C

Find the value of x

Given $MNOP$ is a rectangle and
 $MT = 4x + 7$ and $NP = 30$

$$x = 2$$

