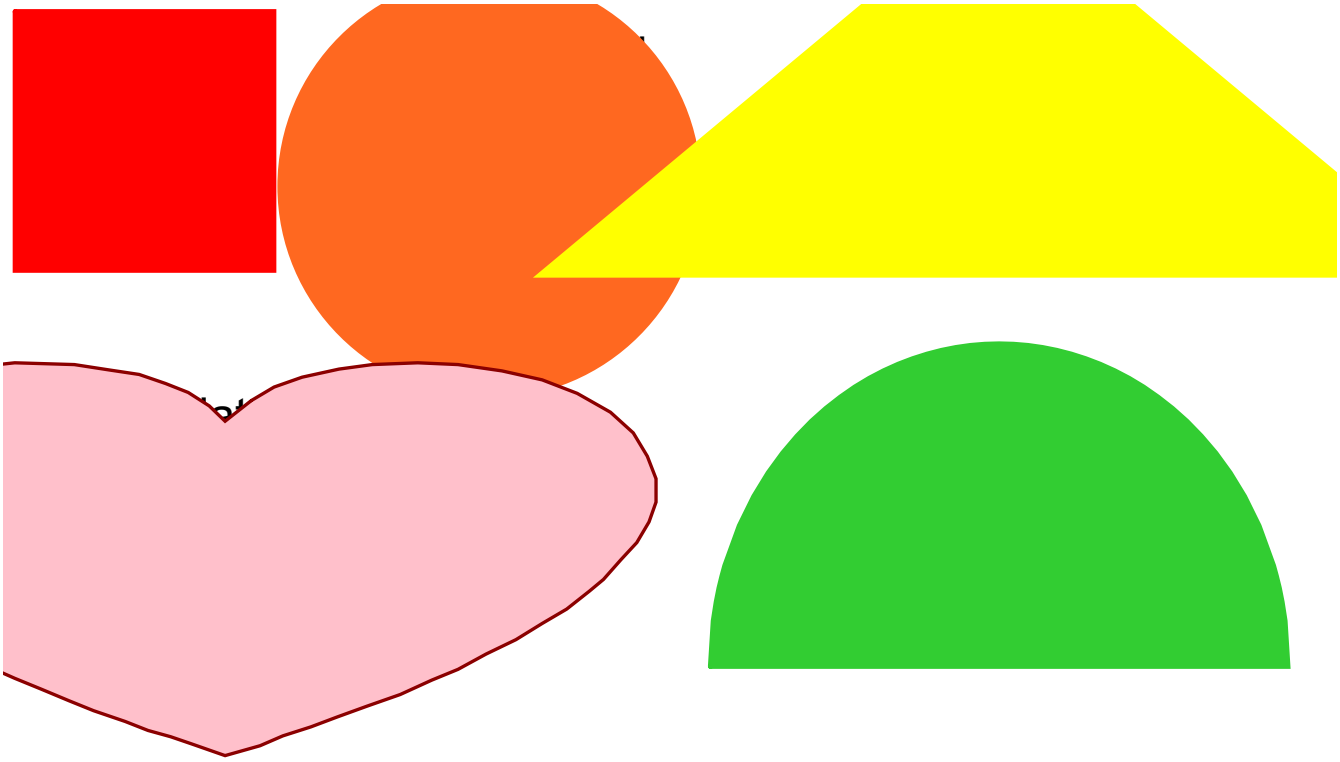
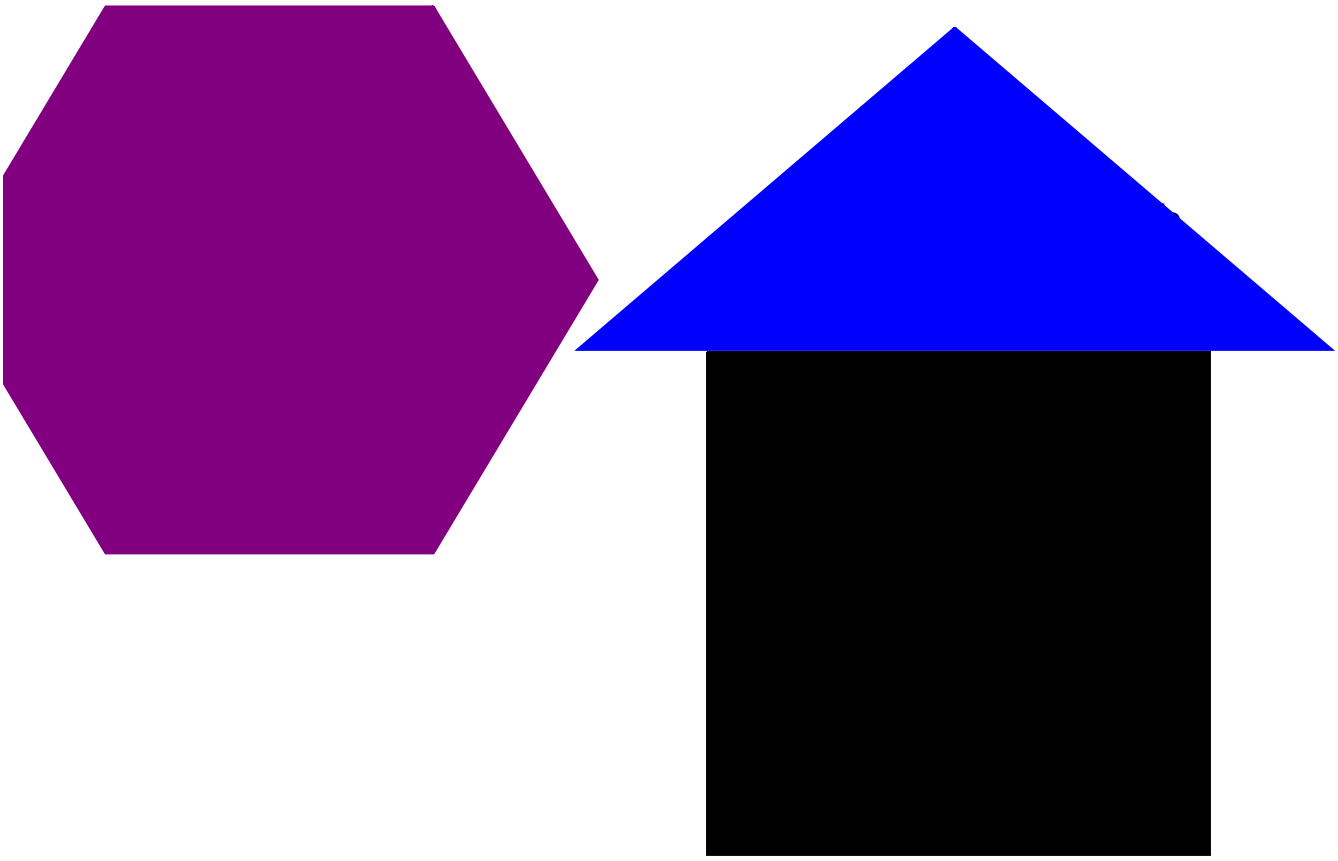
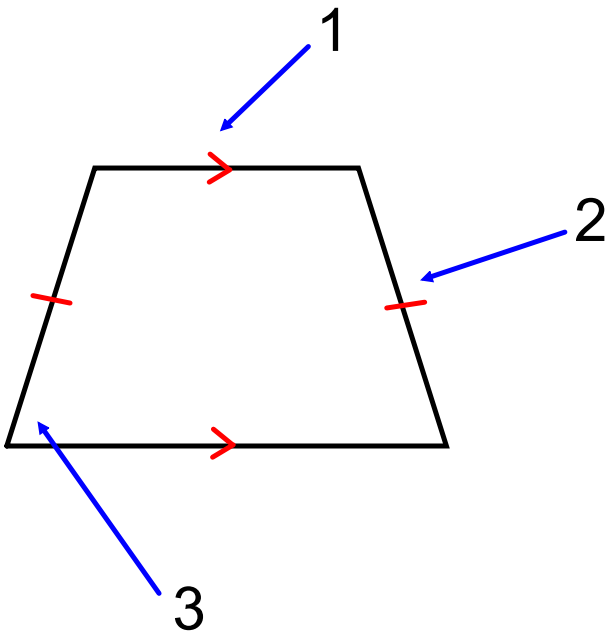
Chapter 6 Review

List the 5 ways to prove that a quadrilateral is a parallelogram





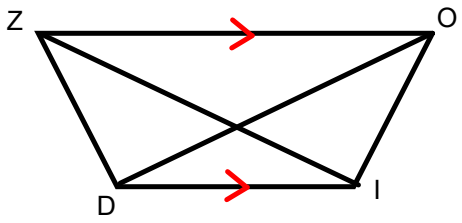


A. Two parallel sides of a trapezoid

B. A pair of consecutive angles whose common side is a base of the trapezoid

C. One of the two nonparallel sides of a trapezoid

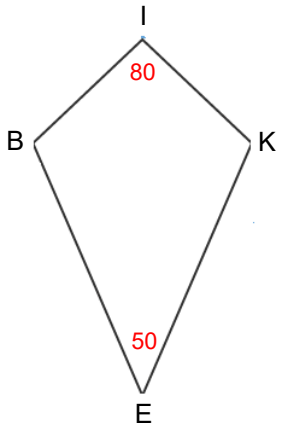
ZOID is a trapezoid. Find the value of x.



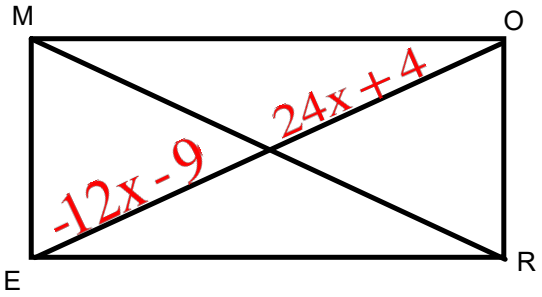
$$ZI = x - 1$$

$$OD = 8x - 57$$

BIKE is a kite. Find the measure of the unknown angles.

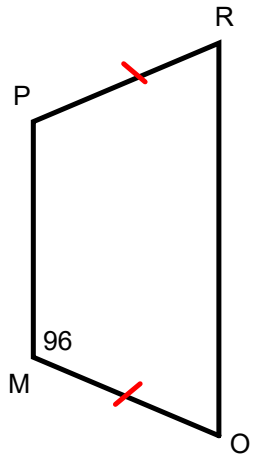


MORE is a rectangle. Find the value of x.

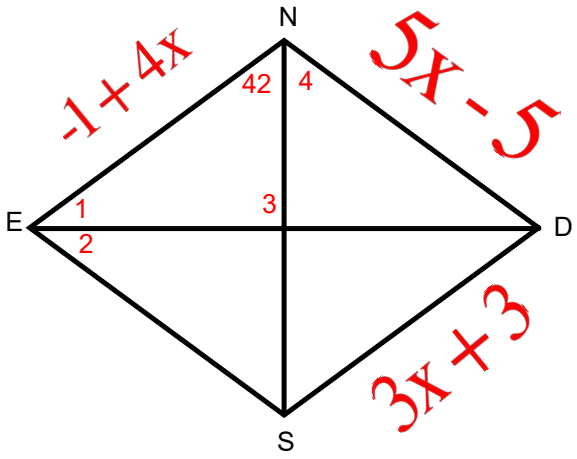


MR=43

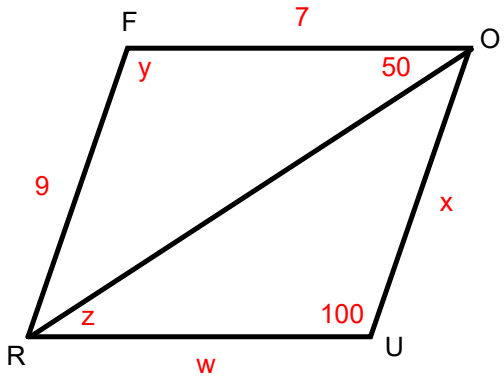
PROM is an isoscles trapezoid. Find each angle.



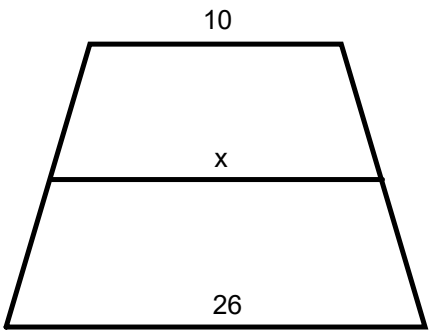
ENDS is a rhombus. Find each value.



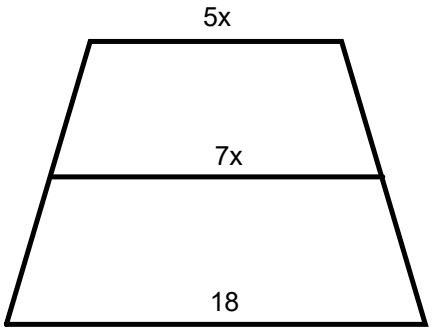
FOUR is a parallelogram. Find the value of the variables.



Find the value of x in the trapezoid.



Find the value of x in the trapezoid.



ALWAYS, SOMETIMES,NEVER

1. A trapezoid is a parallelogram.
2. A square is a rectangle.
3. A rhombus is a square.
4. A kite is a square.
5. A rectangle is a square.

List all of the quadrilaterals that have the given property

1.Both pairs of opposite angles are congruent.

List all of the quadrilaterals that have the given property

2. Diagonals are perpendicular.

List all of the quadrilaterals that have the given property

3. Diagonals are congruent.

List all of the quadrilaterals that have the given property

4. All angles are right angles.

List all of the quadrilaterals that have the given property

5. Exactly one pair of opposite sides are congruent.

Determine the most precise name for the quadrilateral. Be sure to show your work.

W (0, 5)

X (3, 5)

Y (3, 1)

Z (0, 1)

Determine the most precise name for the quadrilateral. Be sure to show your work.

P (-1, 0)

Q (-1, 3)

R (2, 4)

S (2, 1)