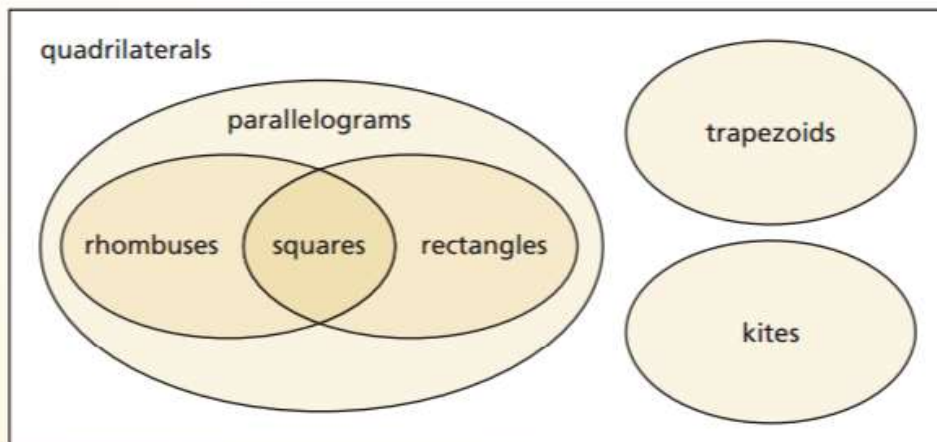


Chapter 7 Review

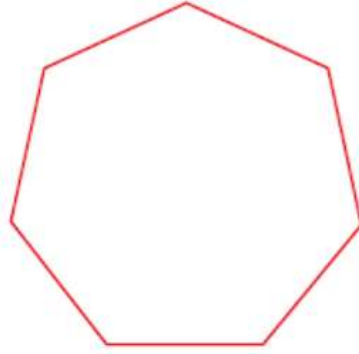
Classifications of Quadrilaterals



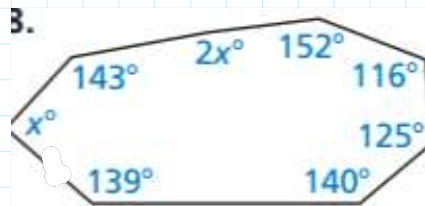
Use the picture of the regular convex polygon to answer the following questions. Make sure to show your work.

Use the picture of the regular convex polygon to answer the following questions. Make sure to show your work.

1. What is the sum of the interior angles?
2. What is the sum of the exterior angles?
3. What is the measure of each interior angle?
4. What is the measure of each exterior angle?



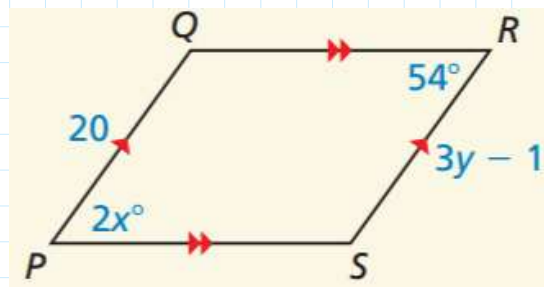
Write an equation and then solve to find the value of x .



Find the measure of each exterior angle of a regular polygon in which the sum of the measures of the interior angles is 1980° . Show your work.

PQRS is a parallelogram. Use the picture to find the indicated values or measures. Show your work.

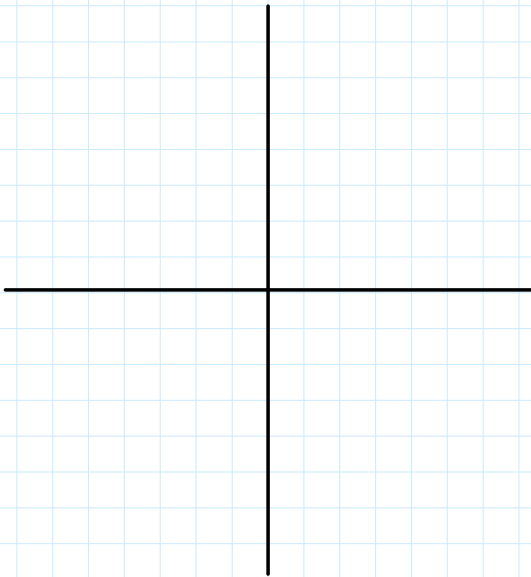
Find y .



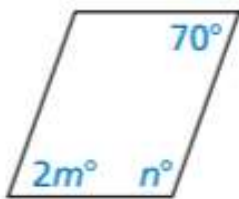
Find x .

Find $m\angle PQR$

Three vertices of $\square ABCD$ are $A(2, 4)$, $B(5, 2)$, and $C(3, -1)$. Find the coordinates of vertex D .

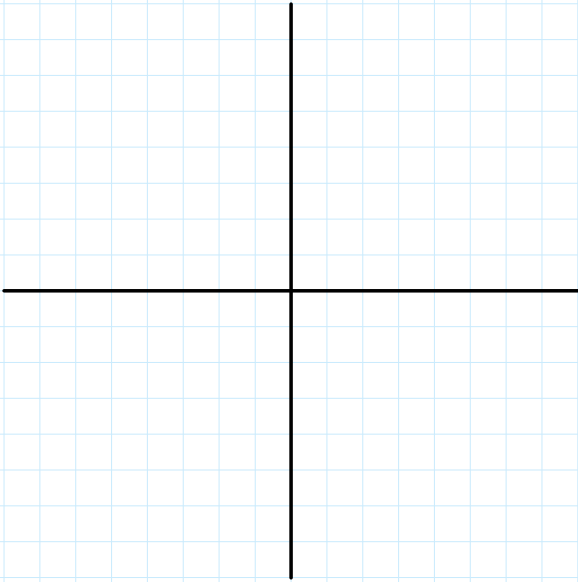


Find the values of m and n that make the quadrilateral a parallelogram.



Use mathematical computations to show that quadrilateral $WXYZ$ is a parallelogram.

$$W(-2, 5), X(2, 5), Y(4, 0), Z(0, 0)$$



Circle all names that apply to the given shape.

- Quadrilateral
- Parallelogram
- Rhombus
- Rectangle
- Square
- Kite
- trapezoid

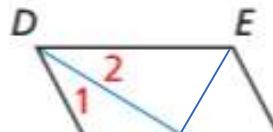


The diagonals of rhombus DEFG intersect at P. Given that PE=4 find the indicated measures.

$m\angle DEG =$

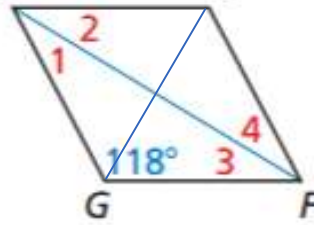
$m\angle EDG =$

CE =



$m\angle EDG =$

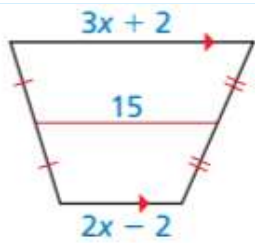
$GE =$



Determine if the given points represent the vertices of a trapezoid. If so, determine whether it is isosceles or not.

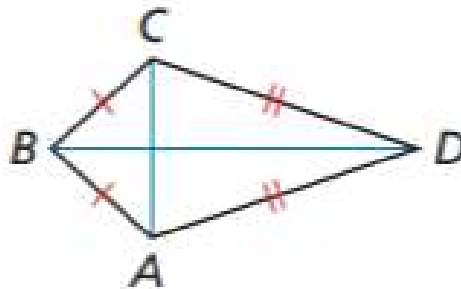
$A(-5, 6)$, $B(4, 9)$, $C(4, 4)$, and $D(-2, 2)$

Find the length of the 2 bases of the trapezoid. Show your work.



In kite ABCD, $m\angle CDB=14^\circ$, and $m\angle CBD=46^\circ$
 Find the indicated measure.

$m\angle BCD=$



The End!

23 total questions
Notecard allowed!

Good luck

