

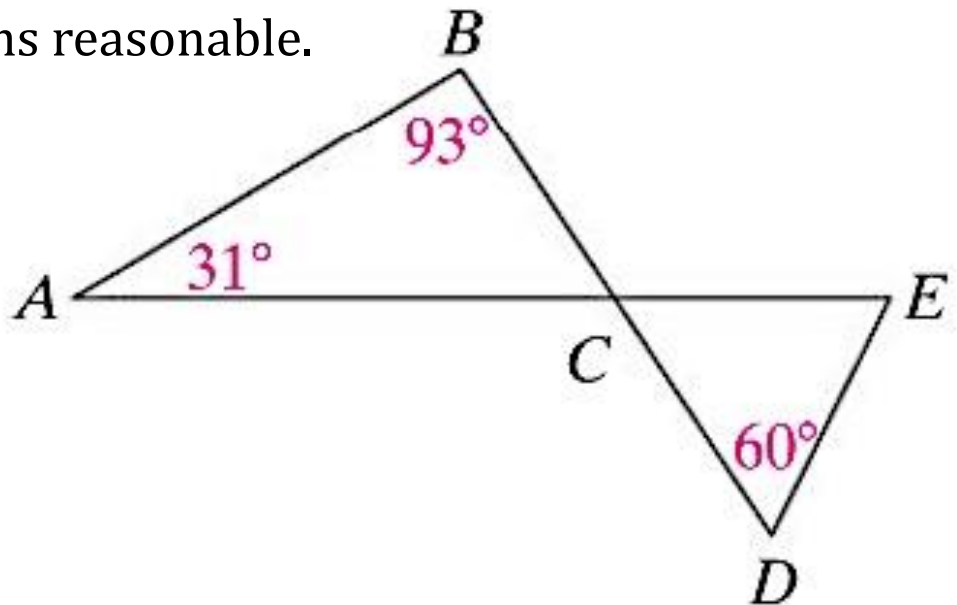
Do Now

Please place your homework in front of you and work on this Do-Now. Thanks.

What is the measure of angle E?

You do not need to use a protractor. Use the angle relationships we have learned to determine the measure of angle E.

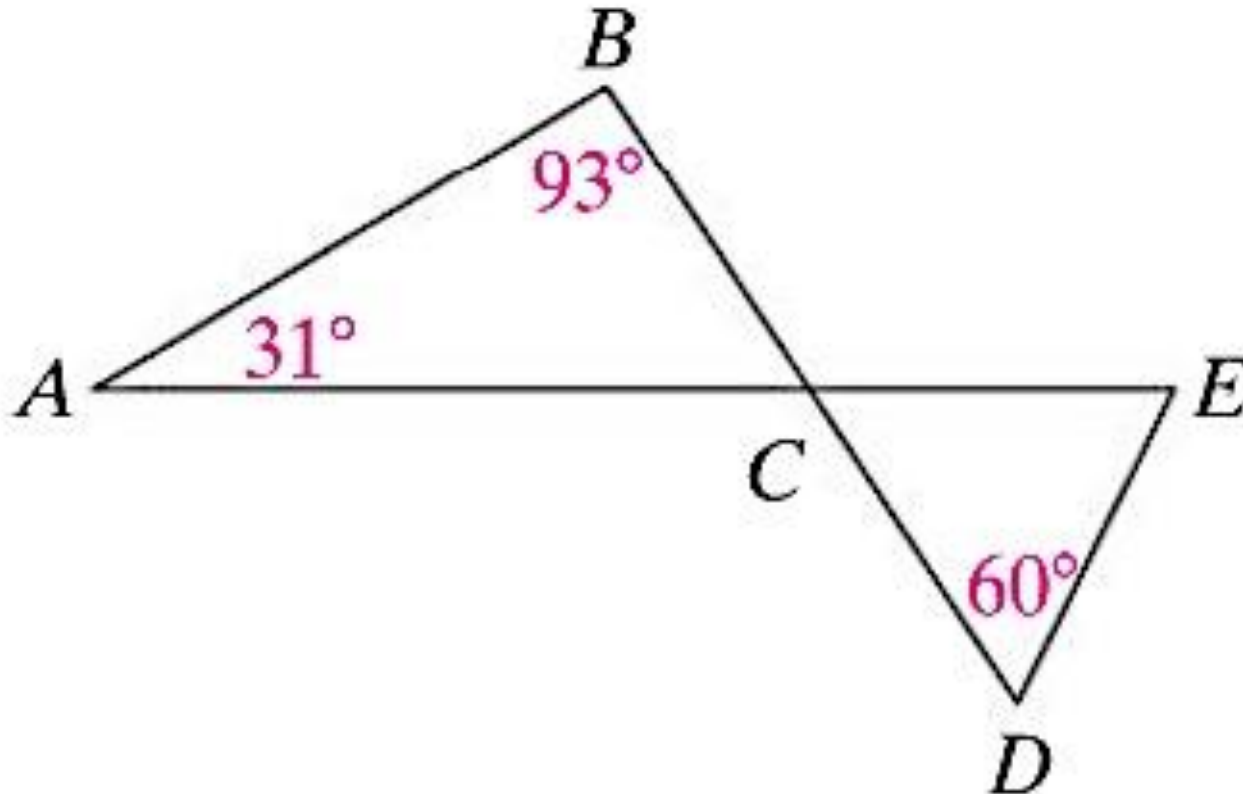
Consider whether your answer seems reasonable.



What is the measure of angle E?

You do not need to use a protractor. Use the angle relationships we have learned to determine the measure of angle E.

Consider whether your answer seems reasonable.



Quadrilaterals foldable

QUADRILATERALS

4-SIDED POLYGONS



TRAPEZOID

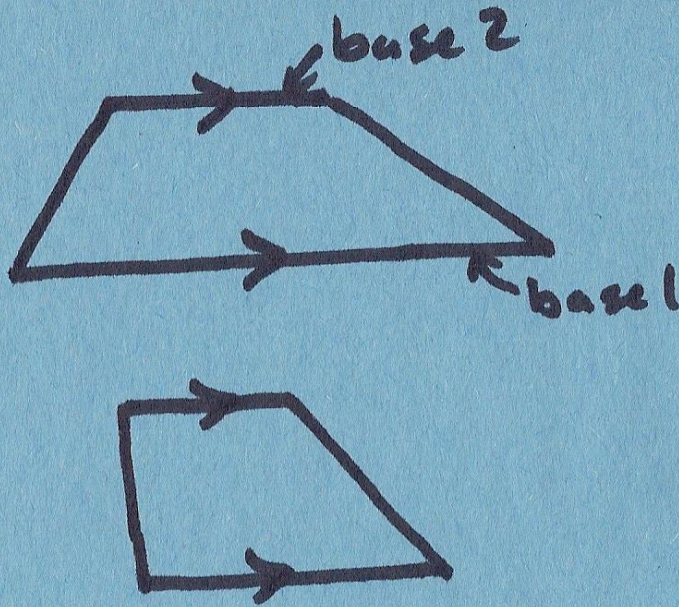
PARALLELOGRAM

RECTANGLE

RHOMBUS

SQUARE

Quadrilaterals foldable



A quadrilateral with exactly one pair of parallel sides. The parallel sides are called base 1 and base 2.

TRAPEZOID

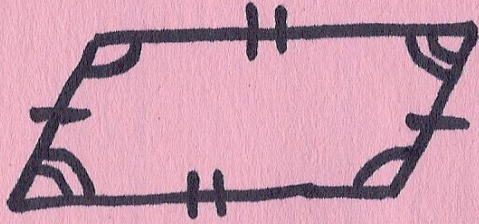
PARALLELOGRAM

RECTANGLE

RHOMBUS

SQUARE

Quadrilaterals foldable



A quadrilateral with
two pairs of
parallel and congruent
sides.

Opposite angles are
also congruent.

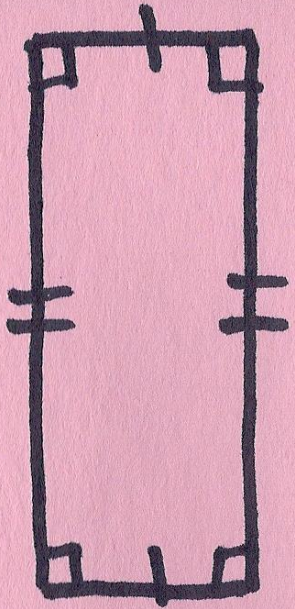
PARALLELOGRAM

RECTANGLE

RHOMBUS

SQUARE

Quadrilaterals foldable



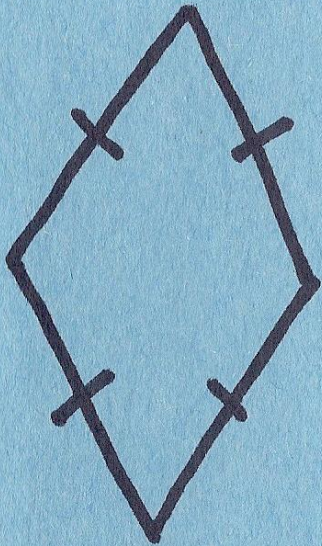
A quadrilateral with
two pairs of
congruent, parallel
sides and four
right angles.

RECTANGLE

RHOMBUS

SQUARE

Quadrilaterals foldable

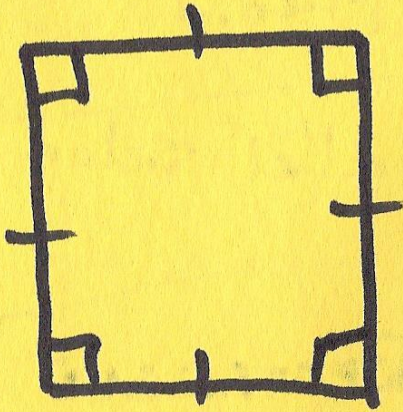


A parallelogram
with four
congruent
sides.

RHOMBUS

SQUARE

Quadrilaterals foldable



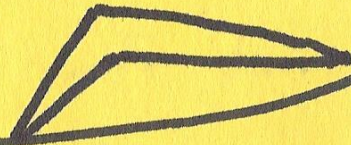
A parallelogram
with four
congruent sides
and four right
angles.

SQUARE

Quadrilaterals foldable

QUADRILATERALS

No parallel
sides



One pair of
parallel sides



Trapezoid

Two pairs of parallel sides

RHOMBUS



SQUARE

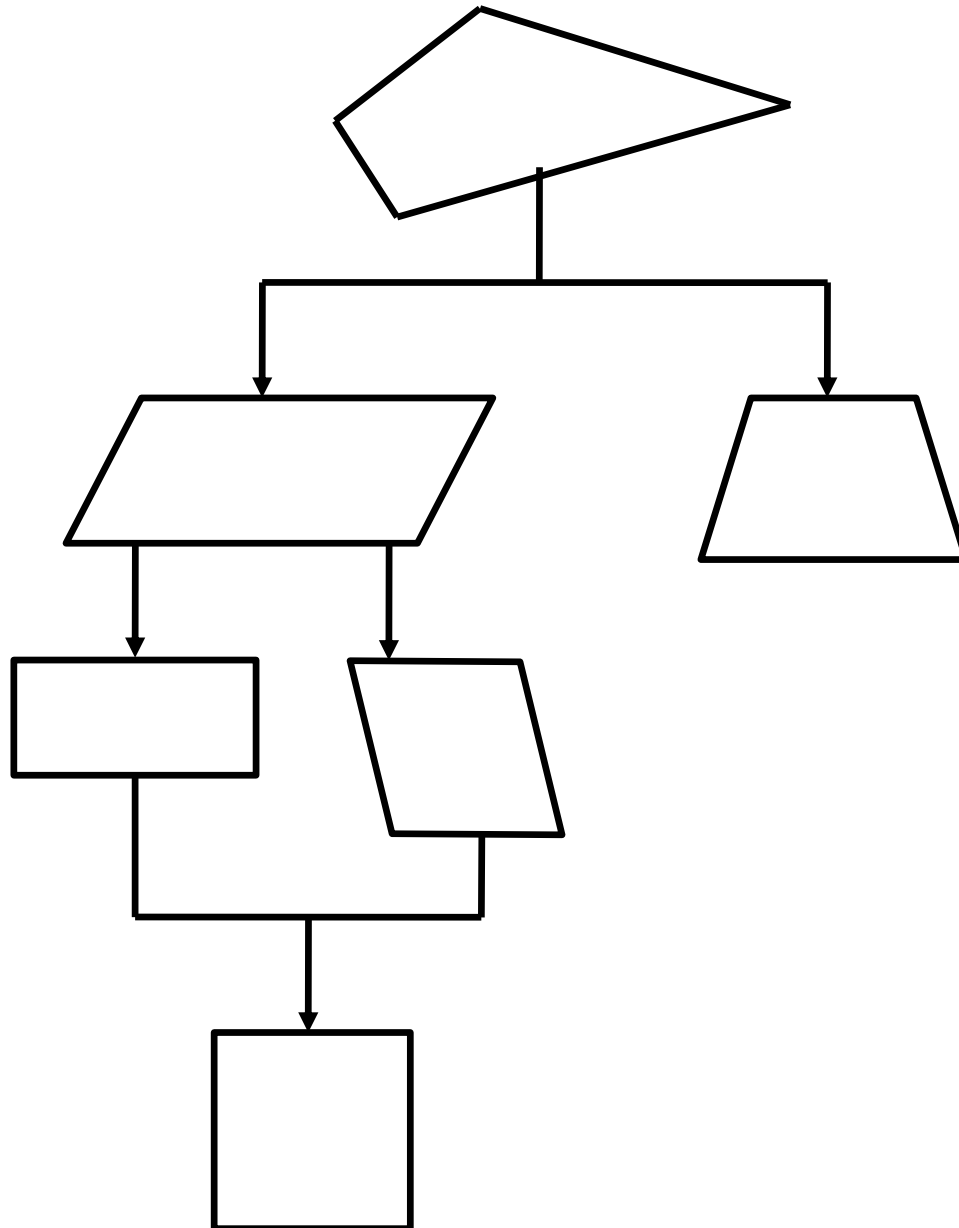


RECTANGLE



Parallelograms

Quadrilateral Flow Chart

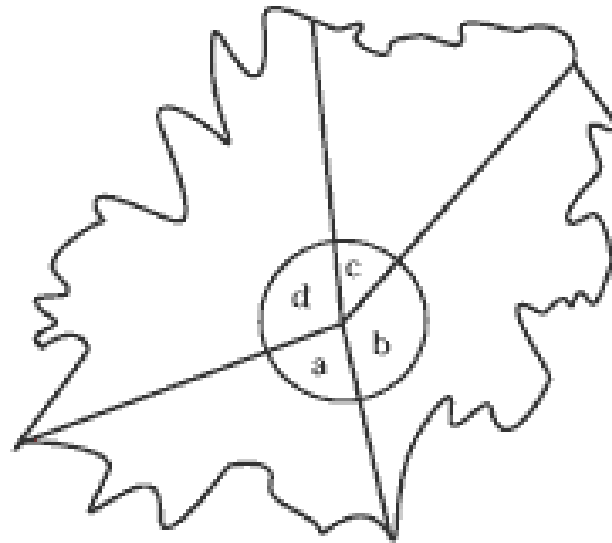
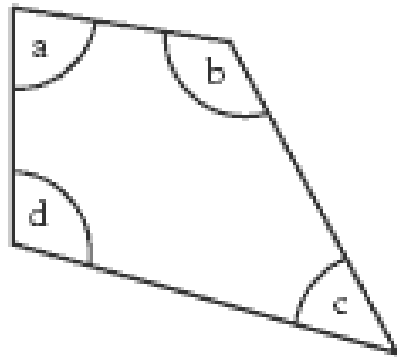


General



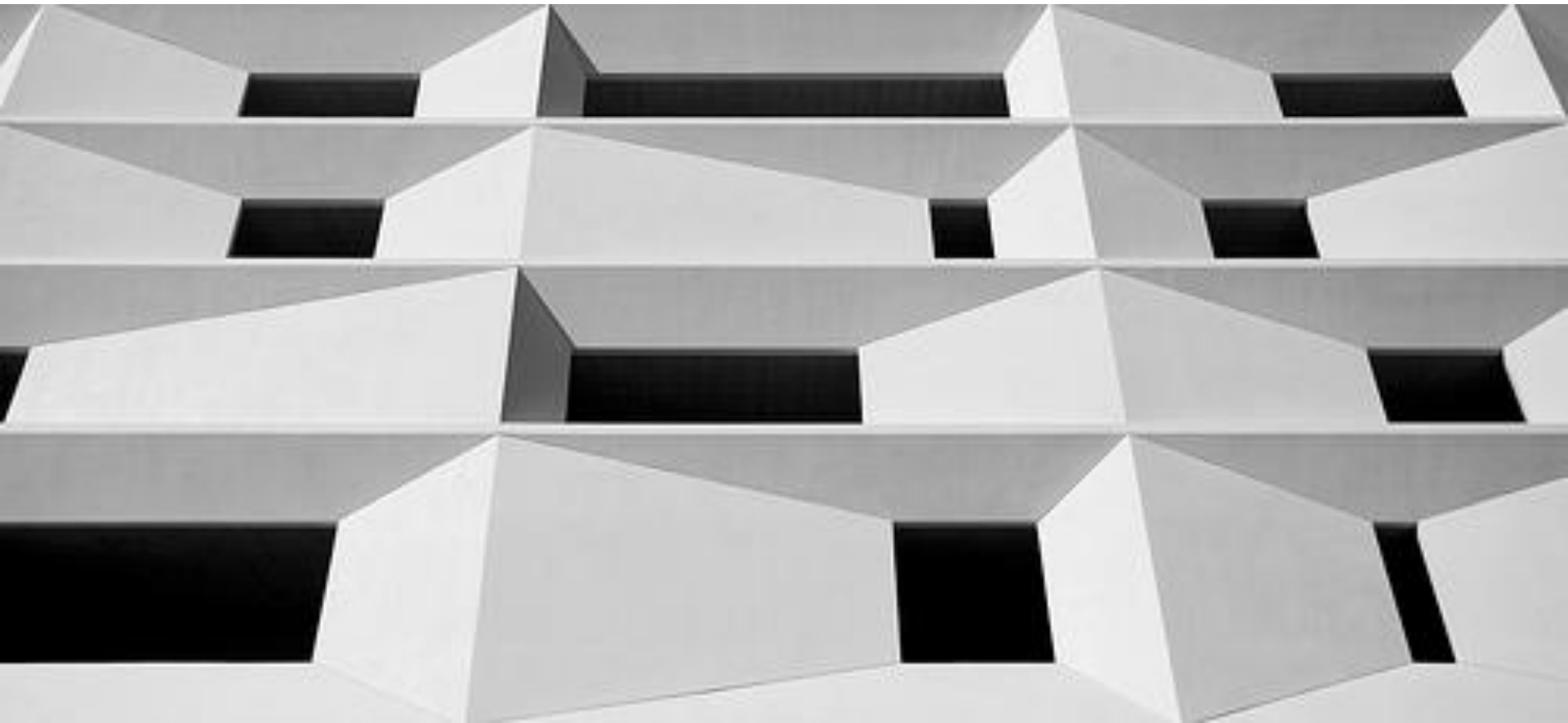
Specific

Tearing Quadrilaterals



The sum of the angles of ANY triangle is 180 degrees (half a circle).

How many quadrilaterals can you find in the artwork shown below?



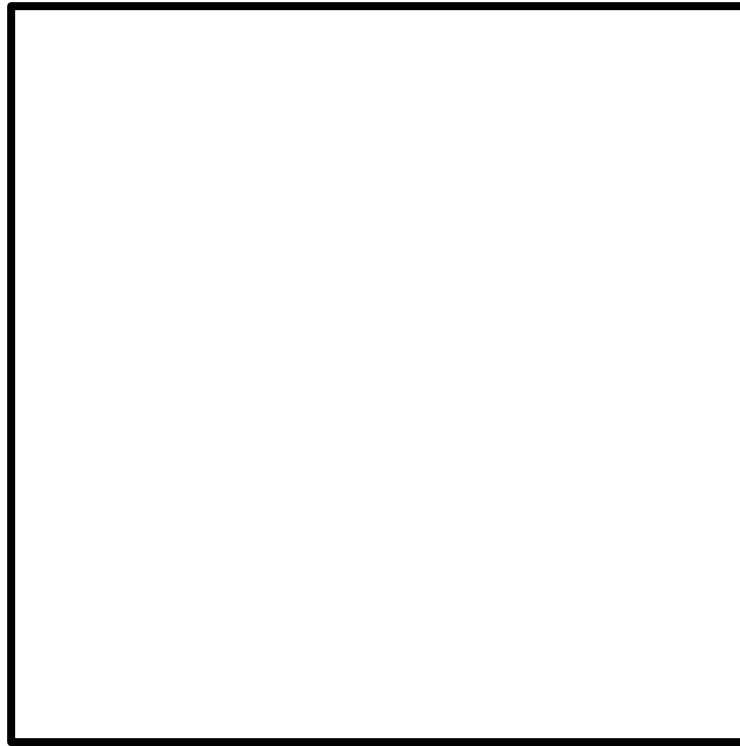
What is the most specific name for this figure?



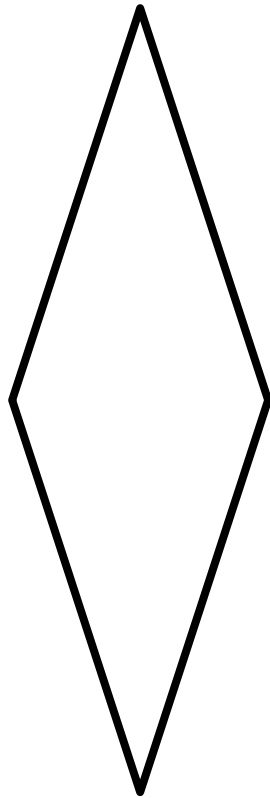
What is the most specific name for this figure?



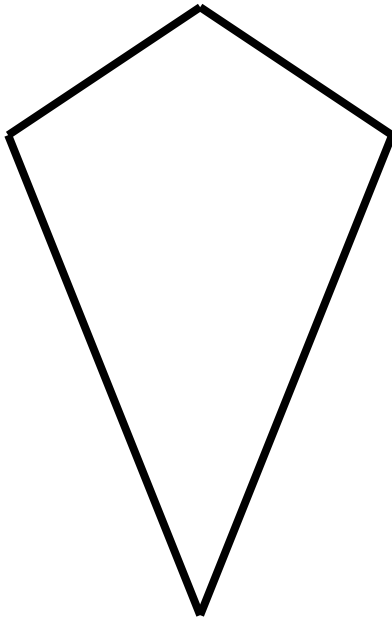
What is the most specific name for this figure?



What is the most specific name for this figure?

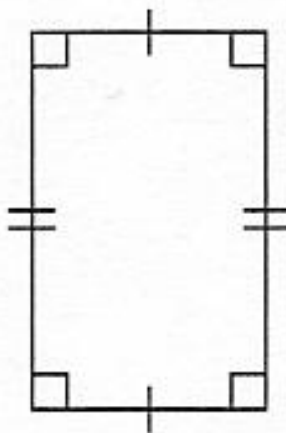


What is the most specific name for this figure?



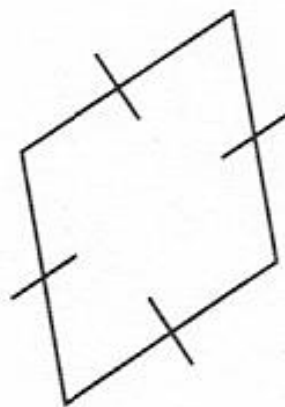
Practice C***Classifying Quadrilaterals***

Give all of the names that apply to each quadrilateral. Then give the name that best describes it.

1.

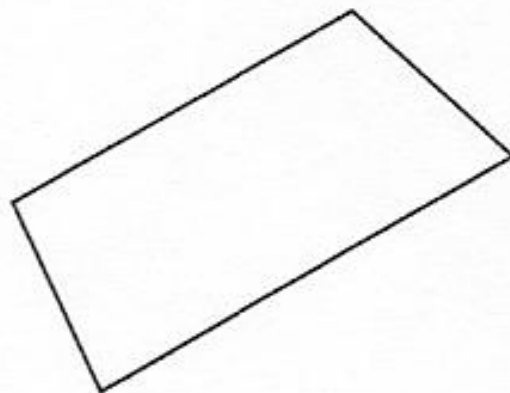
Practice C***Classifying Quadrilaterals***

Give all of the names that apply to each quadrilateral. Then give the name that best describes it.

2.

Practice C***Classifying Quadrilaterals***

Give all of the names that apply to each quadrilateral. Then give the name that best describes it.

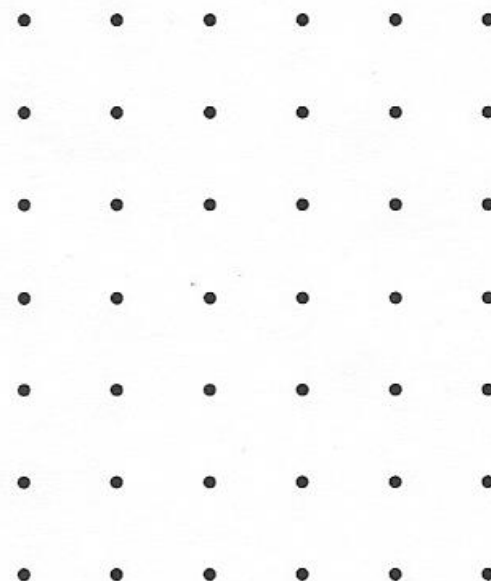
3.

Practice C***Classifying Quadrilaterals***

Draw each figure. If it is not possible to draw, explain why.

4. a rhombus that is not a rectangle

5. a trapezoid that is also a square



Practice C***Classifying Quadrilaterals***

Name the types of quadrilaterals with each property.

6. exactly one pair of parallel sides _____

7. four congruent sides _____

Quadrilateral quest