Quadrilaterals

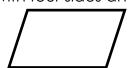
Quadrilaterals are any polygon with four sides and four angles.



Square
All sides are the same length; there are four right angles



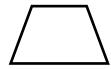
Rectangle
Opposite sides
are parallel and
the same length;
there are four
right angles



Parallelogram
Two pairs of
opposite parallel
sides



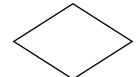
Rhombus
Two pairs of
parallel sides;
all sides are
the same length



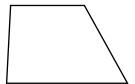
TrapezoidOnly one pair of parallel sides

Write the name of each quadrilateral.

a.



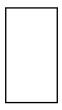
b.



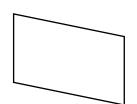
C.



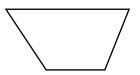
d.



e.



f.



g. How can you tell the difference between a parallelogram and a trapezoid?

h. How can you tell the difference between a square and a rhombus?

ANSWER KEY

Quadrilaterals

Quadrilaterals are any polygon with four sides and four angles. Square Rectangle **Parallelogram Rhombus Trapezoid** All sides are the Opposite sides Two pairs of Two pairs of Only one pair of same length; are parallel and opposite parallel parallel sides; parallel sides there are four the same length; sides all sides are there are four right angles the same length right angles Write the name of each quadrilateral. b. a. C. **RHOMBUS TRAPEZOID SQUARE** f. d. e. **TRAPEZOID RECTANGLE PARALLELOGRAM**

g. How can you tell the difference between a parallelogram and a trapezoid?

A parallelogram has two pairs of opposite parallel sides while a trapezoid has only one pair of parallel sides.

h. How can you tell the difference between a square and a rhombus?

Both have four equal side lengths but a square must also have

four right angles. Rhombus angles don't have to be right angles.