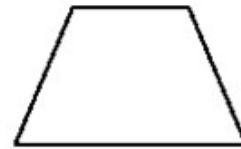# Quadrilaterals

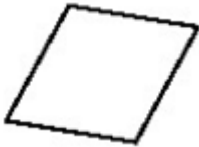Quadrilaterals are four-sided polygon. Some are named by their sides and their angles.

Trapezoids have exactly one pair of parallel sides. The side lengths and the angles are not always the same size.

Parallelograms have 2 pairs of parallel sides. They also have 2 pairs of equal sides.

Some parallelograms are:

A rhombus has 2 pairs of parallel sides and 4 equal sides.	A rectangle has 4 right angles, 2 pairs of parallel sides, and 2 pairs of equal sides.	A square has 4 right angles, 4 equal sides and 2 pairs of parallel sides.

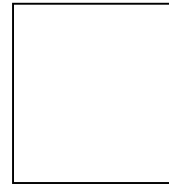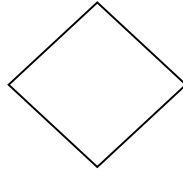Write as many names for the quadrilateral below as you can.

The quadrilateral has only 1 pair of parallel sides.

So, the quadrilateral is a trapezoid.
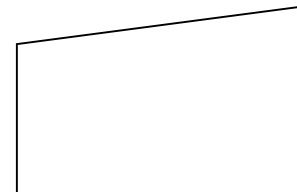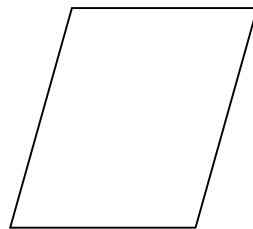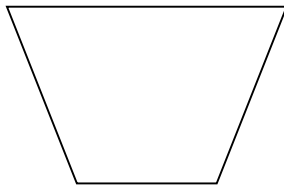
Examples:

A- Write as many names for each quadrilateral as you can.

Parallelogram-rectangle   Parallelogram-rhombus   Rectangle-rhombus
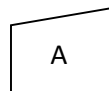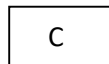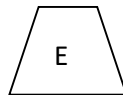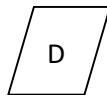
Trapezoid   Parallelogram   Trapezoid

B- For 1-3, use the quadrilaterals at the right.

D   E

C   B

A

1) Which quadrilateral has 4 right angles? **B, C**

2) Which quadrilateral has 2 pairs of parallel sides? **B, C, D**

3) Which quadrilateral has no right angles? **D, E**