



Hello Year 4!
Today we are going to be talking about 2D
shapes!

LO: To identify and sort quadrilaterals.



Before we talk about quadrilaterals, we need to recap some other information!

First, watch this video, then match the type of line to its definition. <https://numberock.com/lessons/lines/>

Perpendicular

Parallel

Intersecting

Lines that cross,
creating an angle.

Lines that will
never meet

Lines that meet at
a right angle.



Did you get them right? This information is very important when it comes to talking about quadrilaterals!

Perpendicular

Parallel

Intersecting

Lines that meet at a right angle.

Lines that will never meet.

Lines that cross, creating an angle.

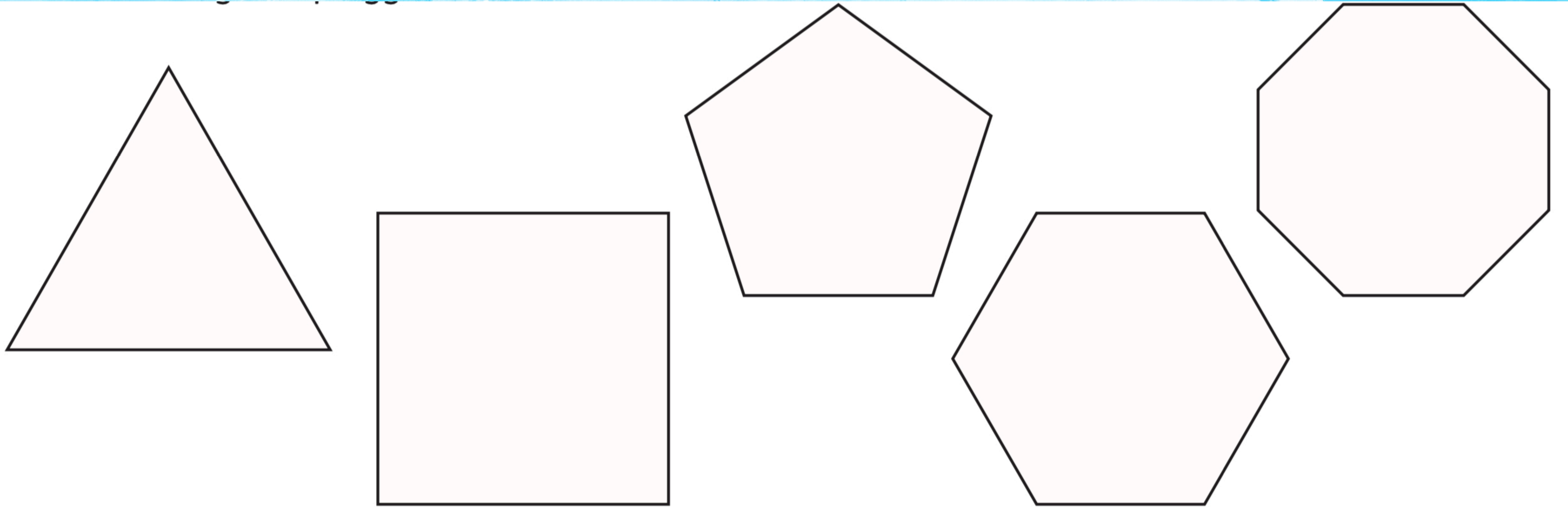


One last step before we talk about quadrilaterals (I know, I promise I'll explain what that is!).

Quadrilaterals are a polygon. Polygons are straight-sided 2-d shapes.

Watch this video, then name the shapes on the next slide.

<https://numberock.com/lessons/polygons/>



Can you name each of these polygons?



OK, let's talk about quadrilaterals.

A quadrilateral is any polygon with 4 sides.

"Quad" means 4. "Lateral" means side.

Together they mean: 4 sides.

Some quadrilaterals have special names.

We use the properties of the quadrilateral to help us decide which they are.

Watch this video, then read the information on the following slides.

<https://numberock.com/lessons/quadrilaterals/>



This is a square.

It has 4 sides of equal length.

It has 2 pairs of parallel lines.

The sides are perpendicular (they meet at right angles).



This is a **rectangle**.

It has 2 pairs of equal sides.

It has 2 pairs of **parallel** lines.

The sides are **perpendicular** (they meet at right angles).

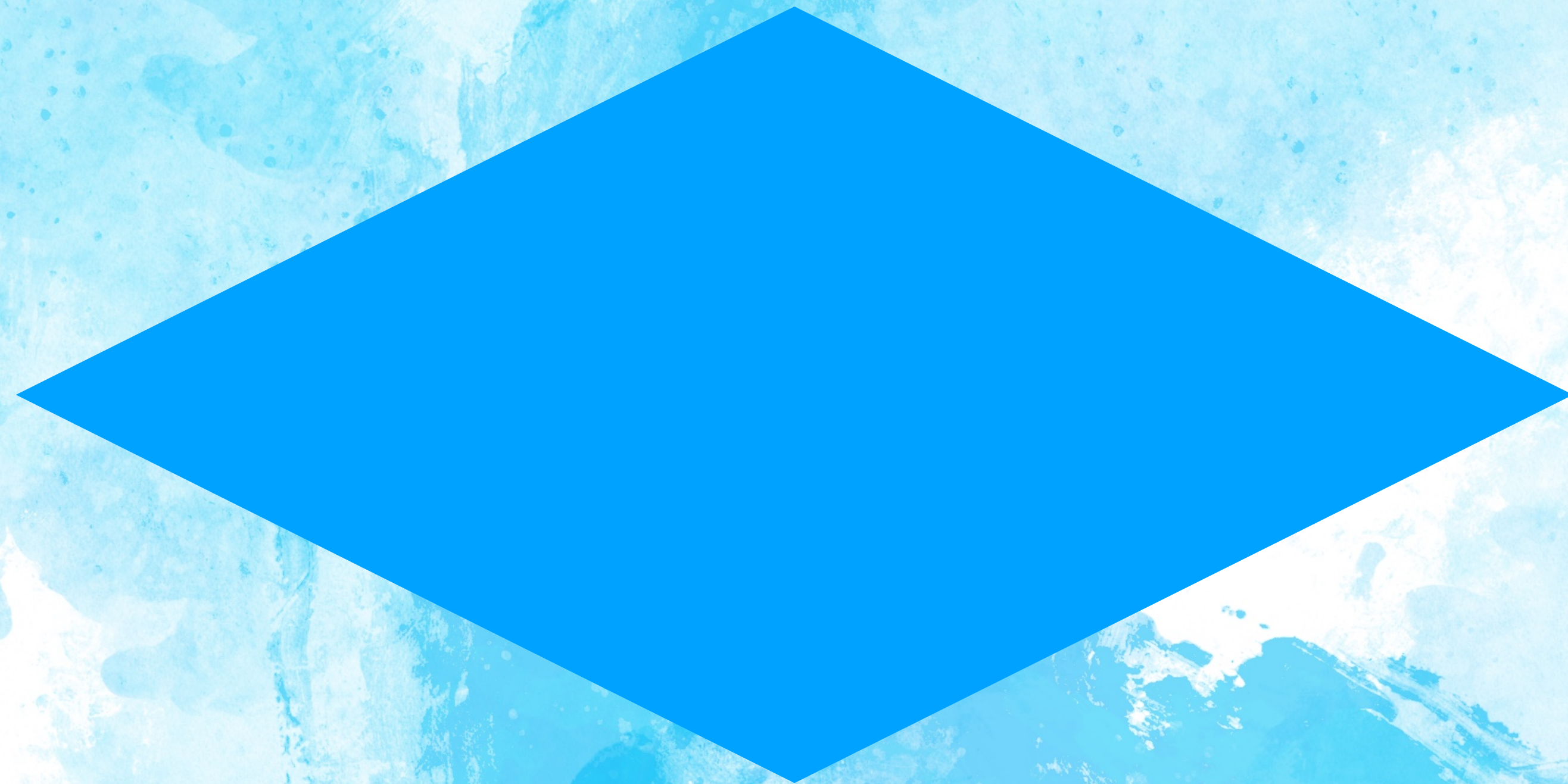


This is a **parallelogram**.

It has 2 pairs of equal sides.

It has 2 pairs of **parallel** lines.

The sides are **not perpendicular**.



This is a rhombus.

It has 4 sides of equal length.

It has 2 pairs of parallel lines.

The sides are not perpendicular.

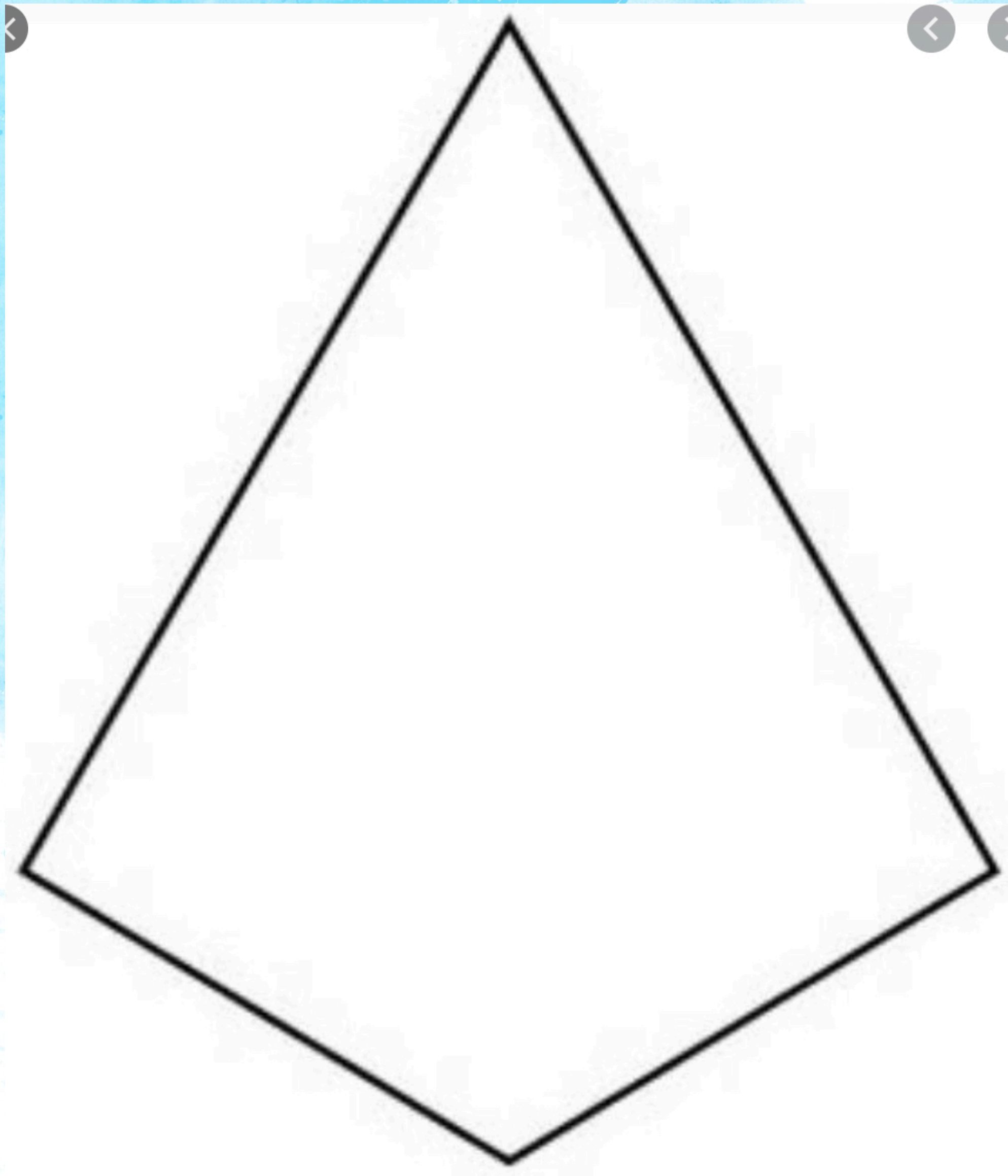
This is a trapezium.

It has 4 sides of different lengths.

It has 1 pair of parallel lines.

The sides are not perpendicular.



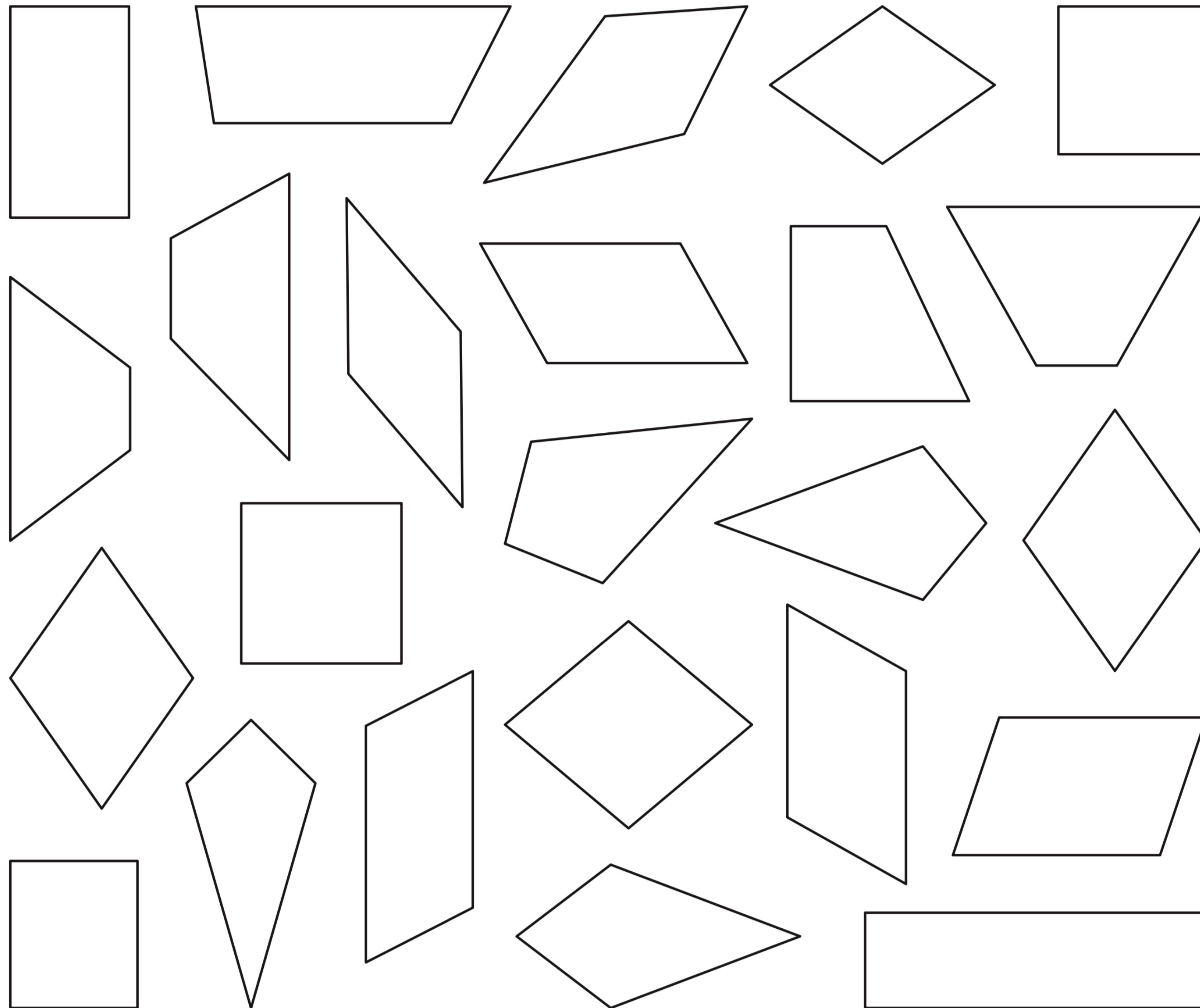


This is a kite.

It has 2 pairs of equal sides.

It has no parallel lines.

The sides are not perpendicular.



Can you label each of the quadrilaterals on this page?

Print them out and colour each type to match the colours on the previous slides.