How many metres in a kilometre?

Units of measurement

1000m

Units of measurement

How many millimetres in a metre?

Units of measurement

1000mm

Units of measurement

How many millimetres in a centimetre?

Units of measurement

10mm

Units of measurement

How many centimetres in a metre?

Units of measurement

100cm

How many grams in a kilogram?

Units of measurement

1000g

Units of measurement

How many milligrams in a gram?

Units of measurement

1000mg

Units of measurement

How many millilitres in a litre?

Units of measurement

1000ml

Units of measurement

What does 'kilo-' stand for?

Units of measurement

It stands for 1000.

What does 'milli-' stand for?

Units of measurement

It stands for 1000th.

What does 'centi-' stand for?

Units of measurement

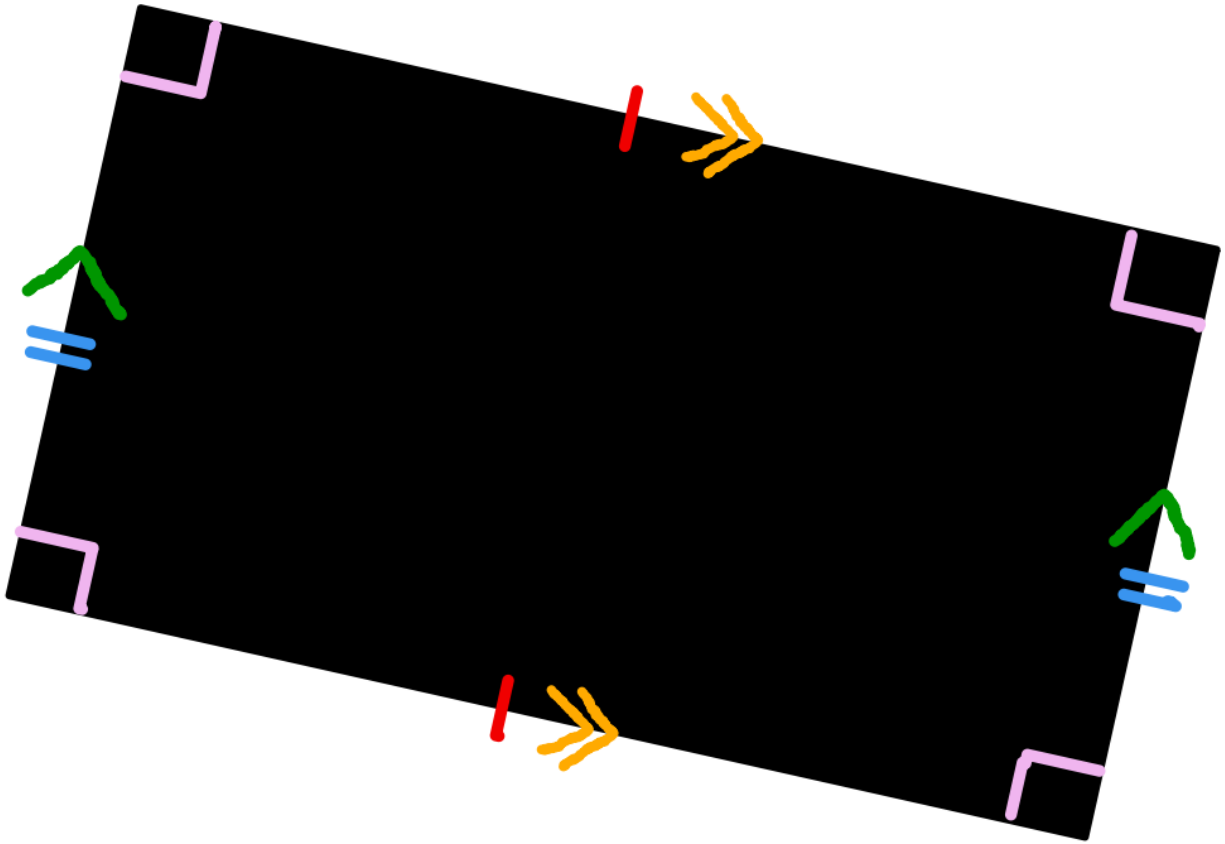
It stands for 100th.

What is a quadrilateral?

2D Shapes

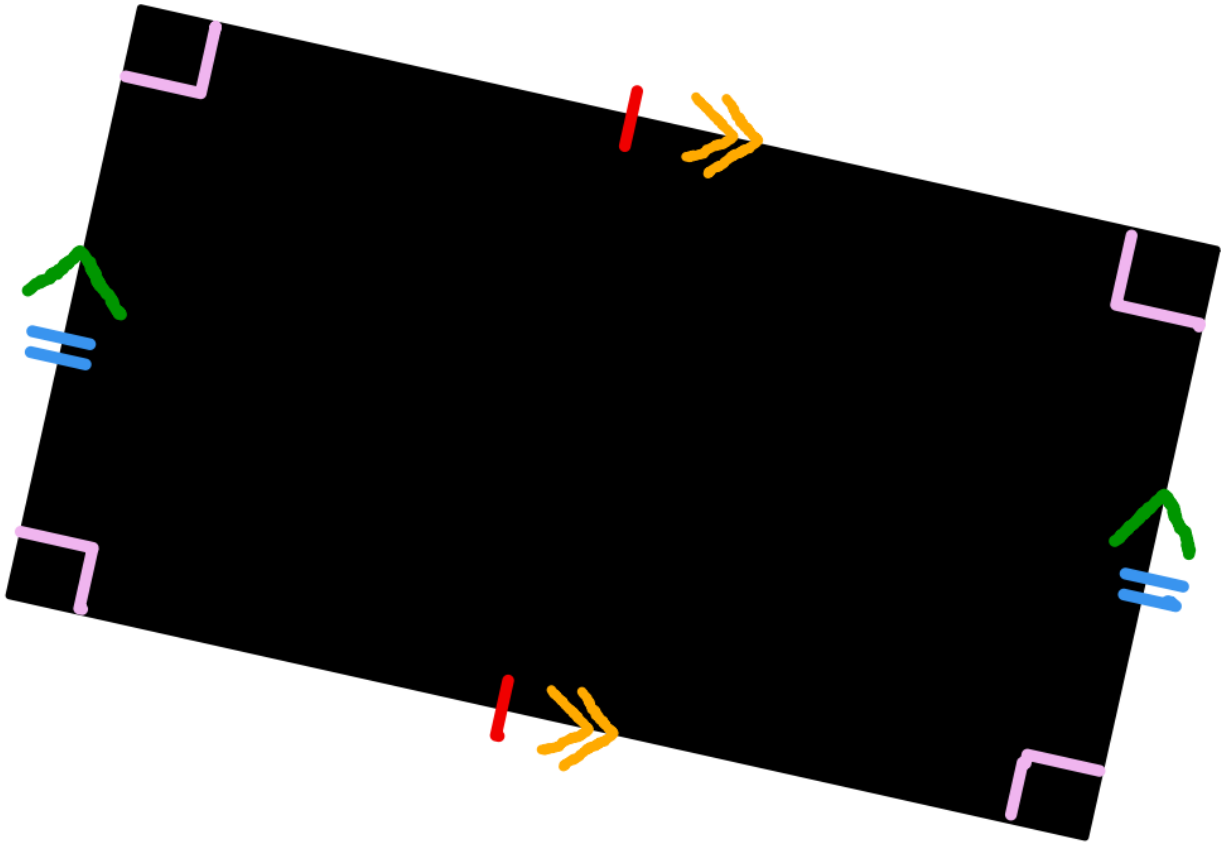
A 4-sided polygon.

Name and describe this shape.



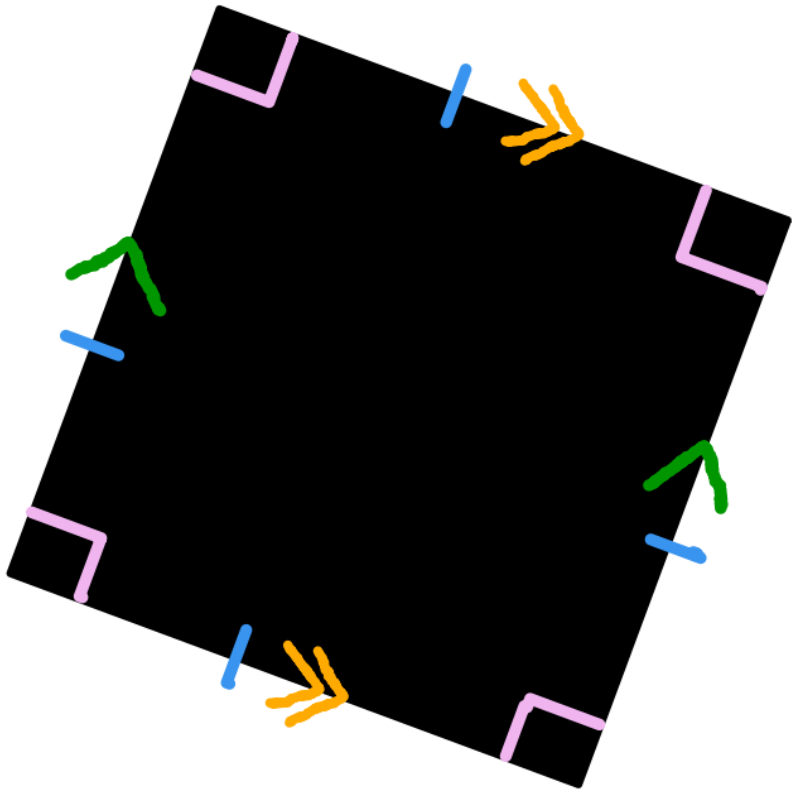
2D Shapes

Rectangle



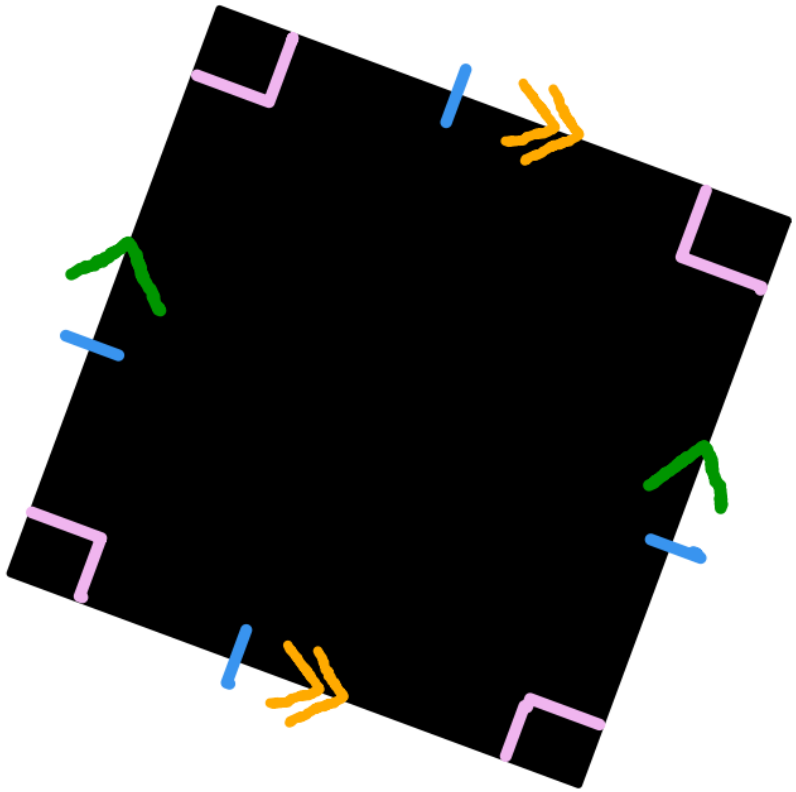
2D Shapes

Name and describe this shape.



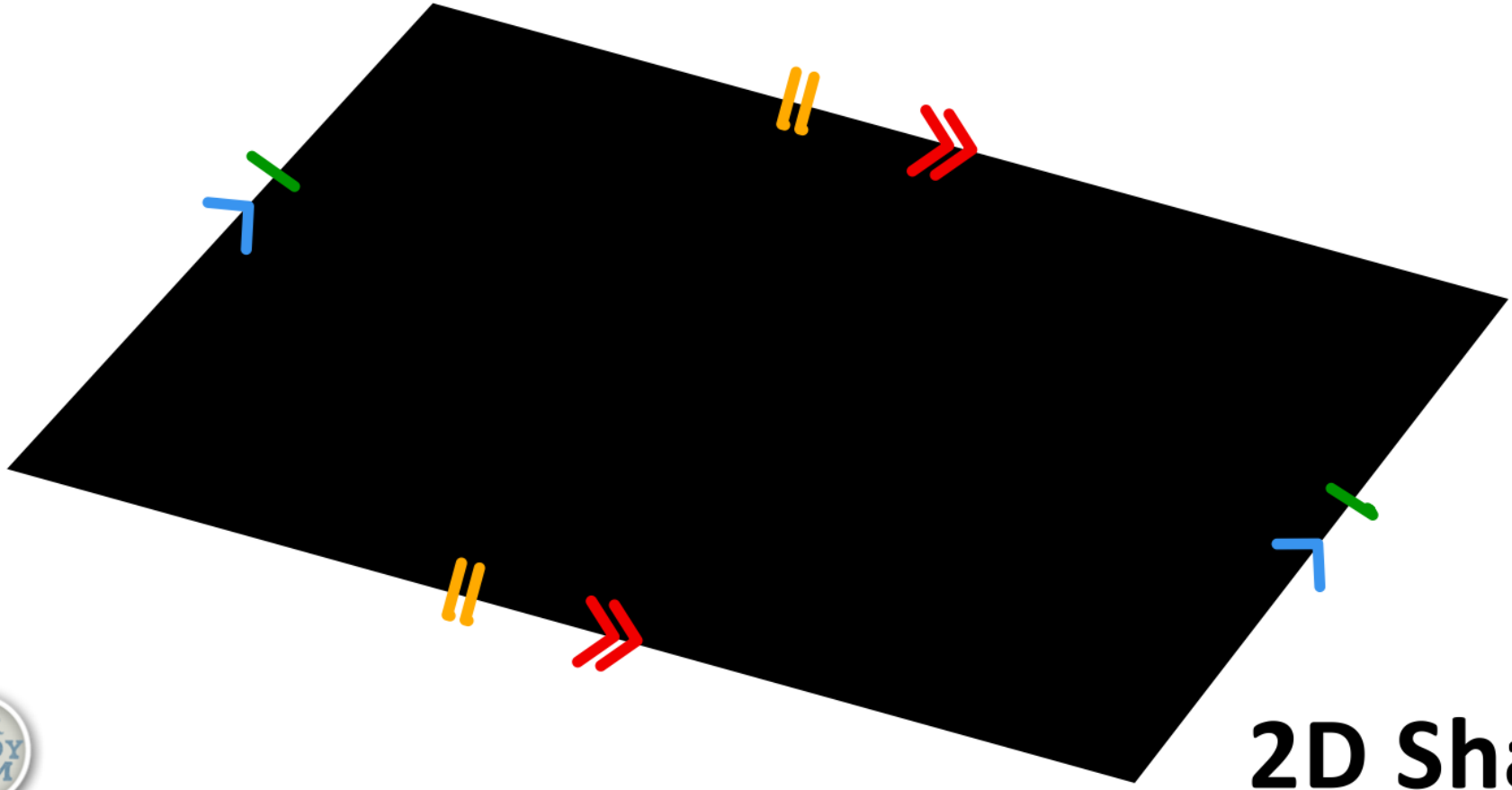
2D Shapes

Square



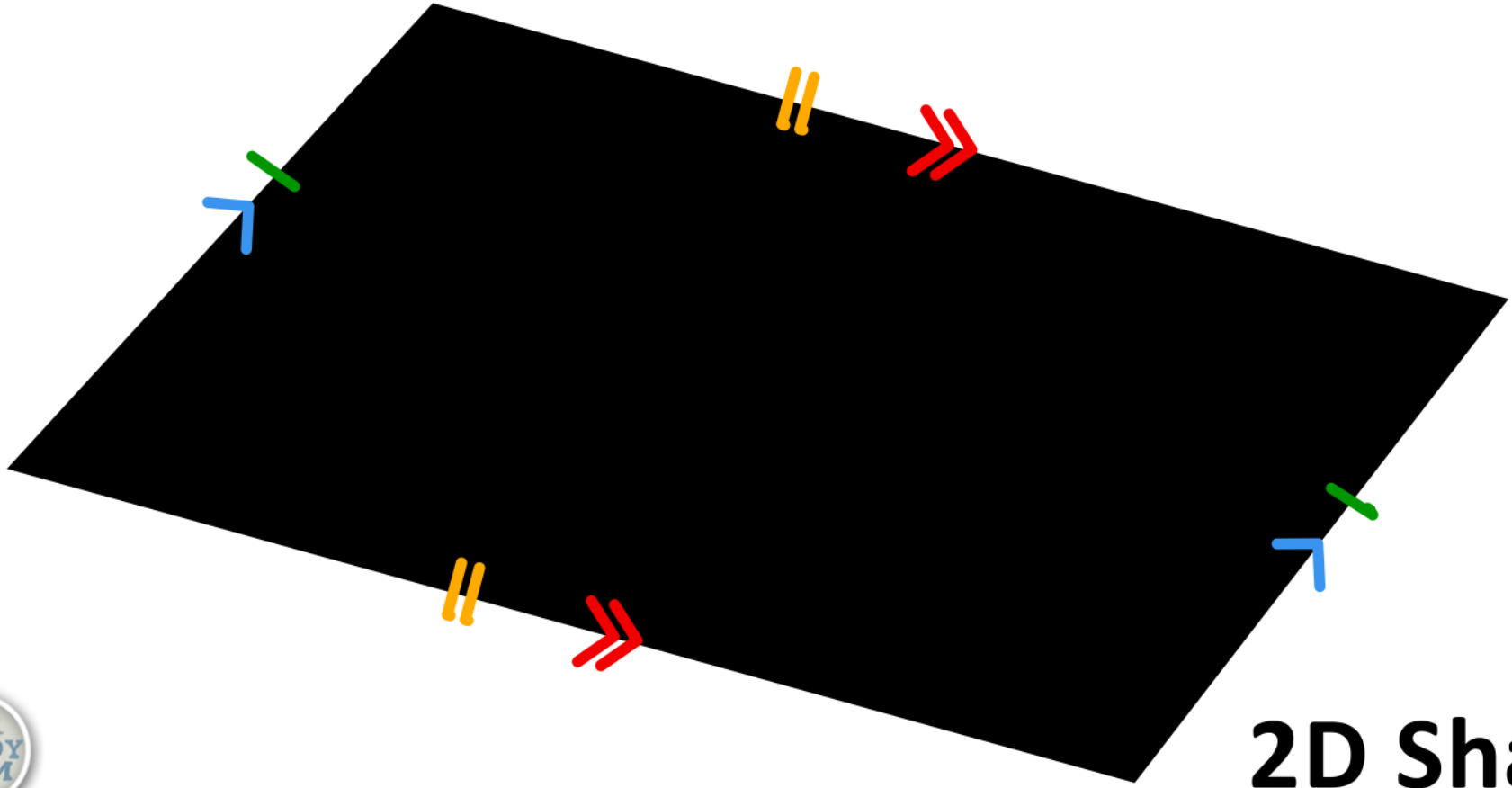
2D Shapes

Name and describe this shape.



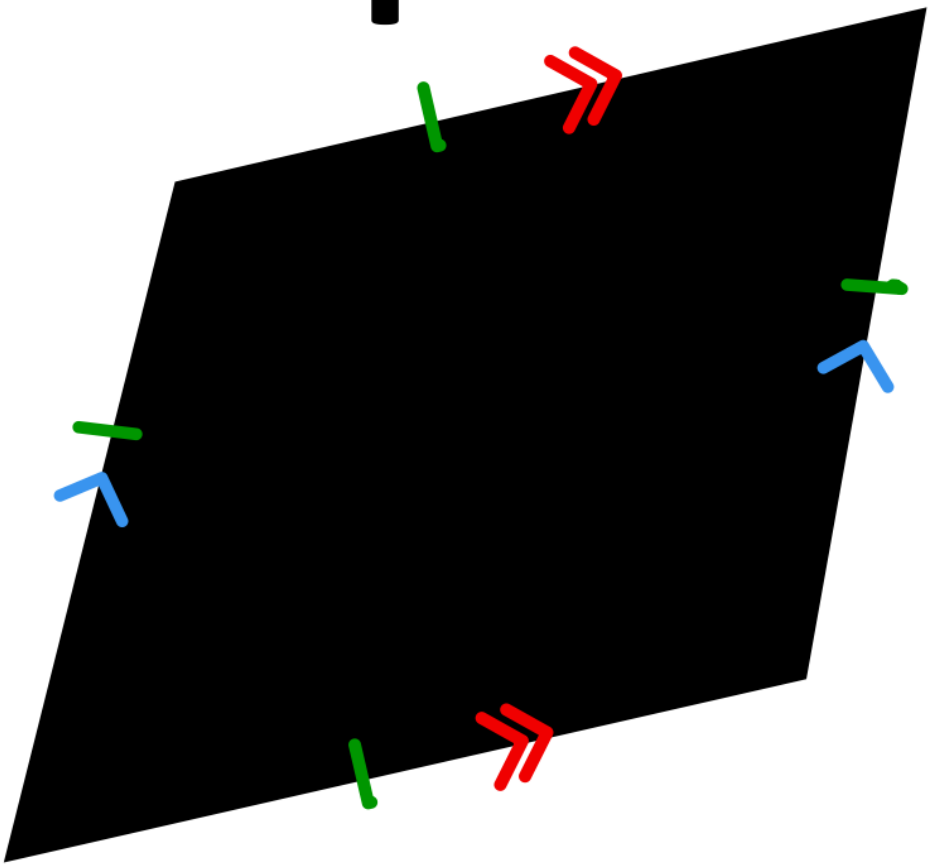
2D Shapes

Parallelogram



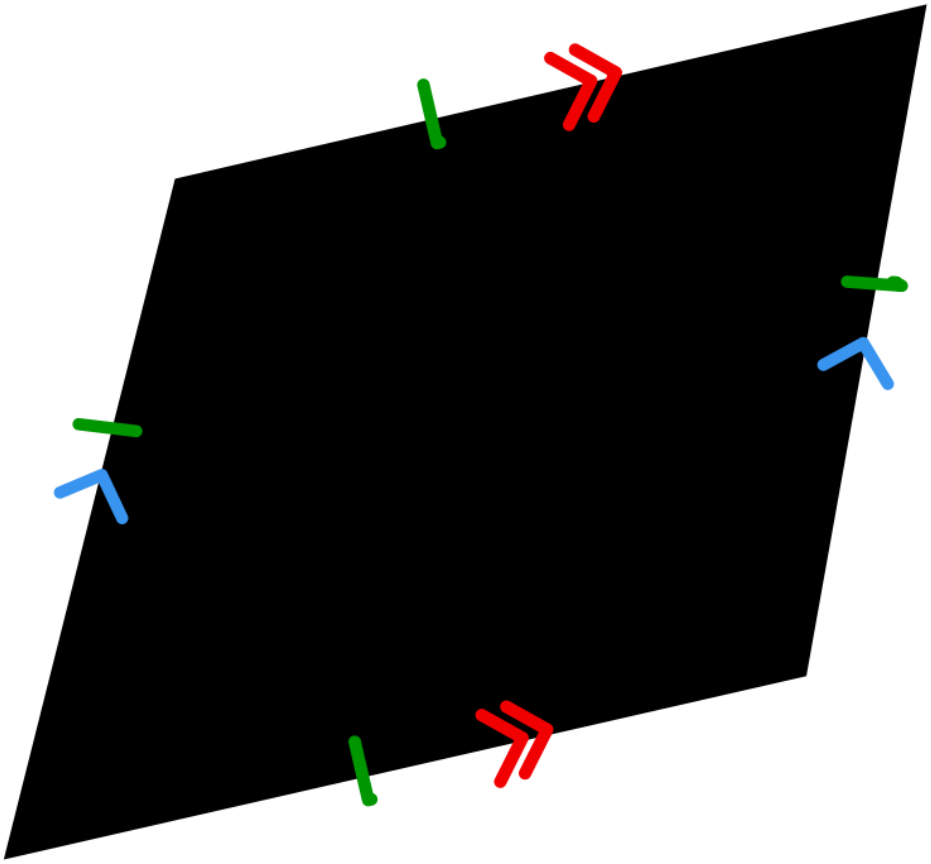
2D Shapes

Name and describe this shape.



2D Shapes

Rhombus



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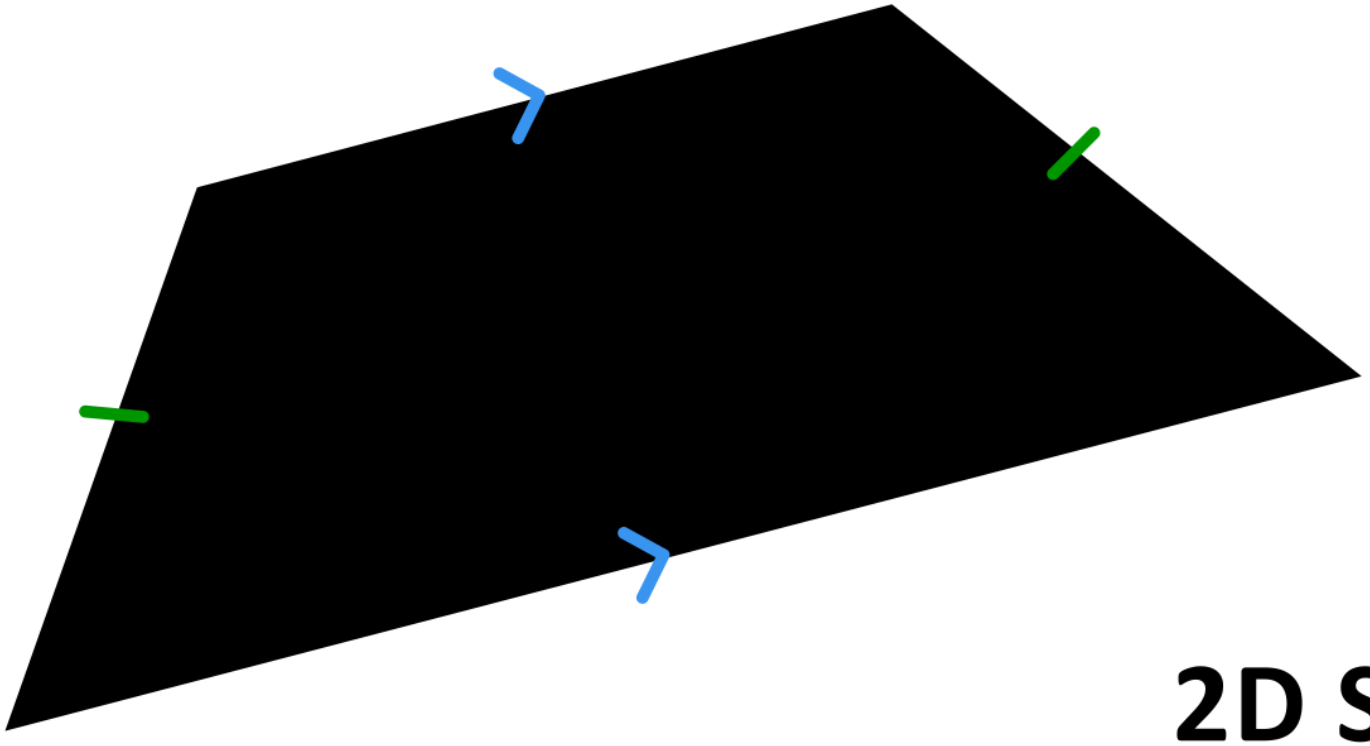
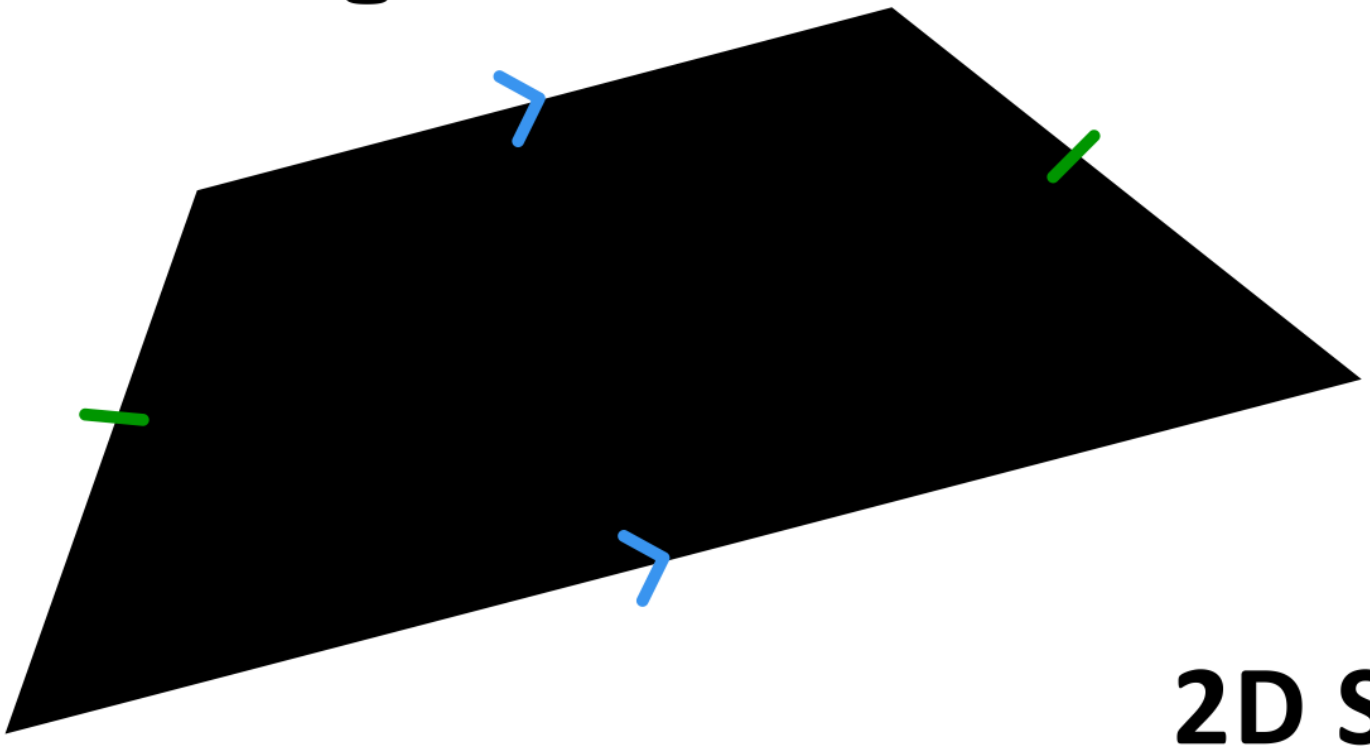
2D Shapes

Name and describe this shape.

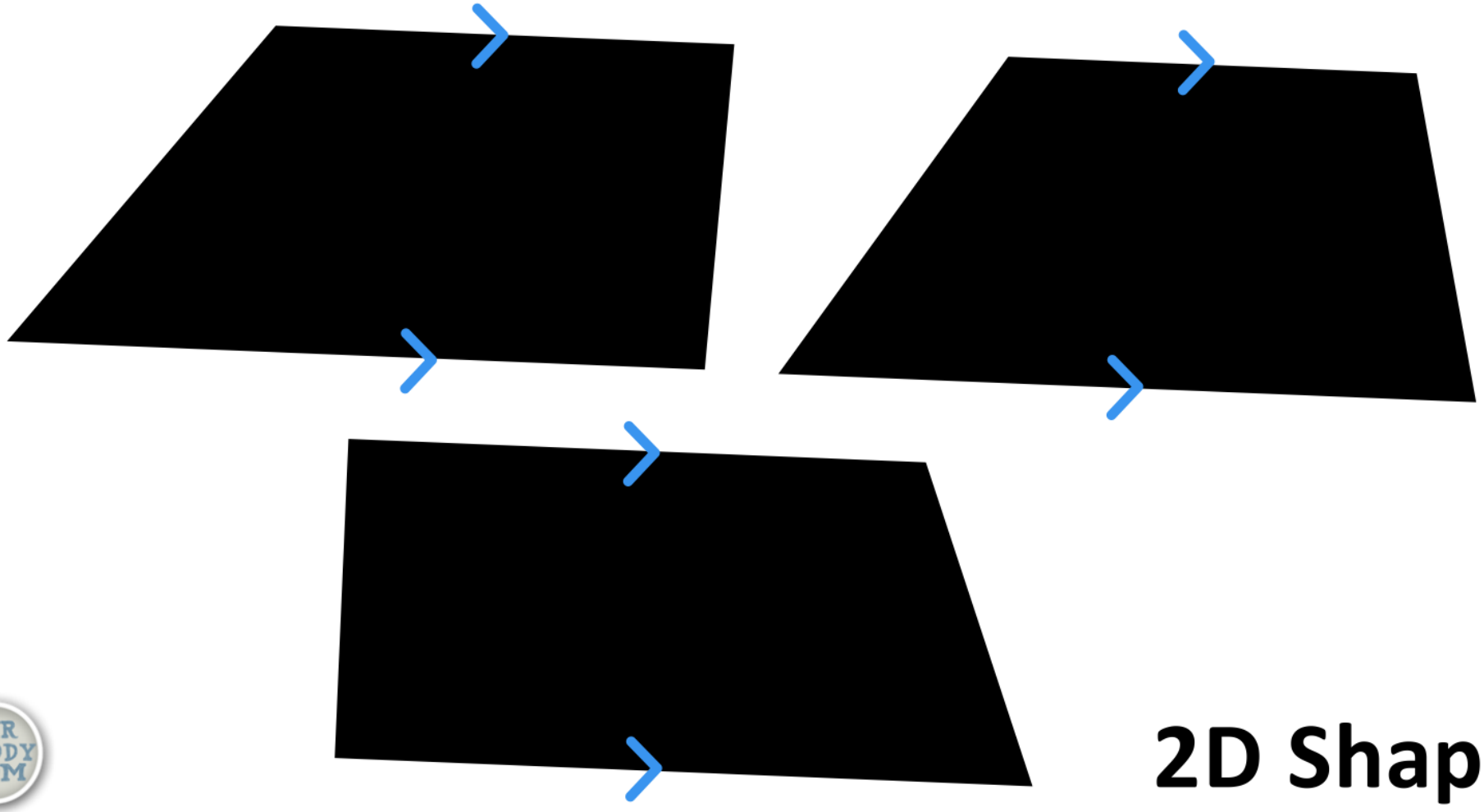


Isosceles Trapezium



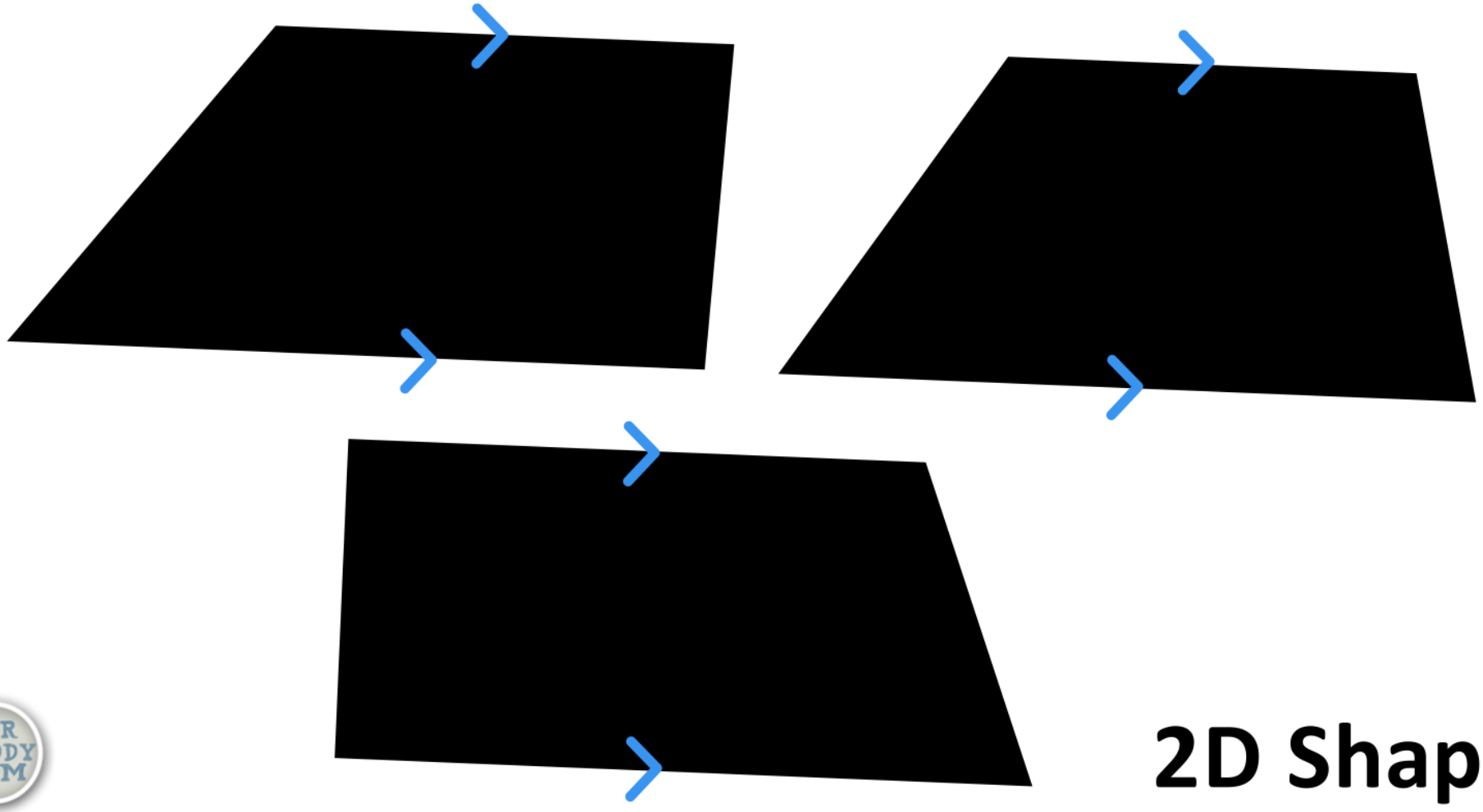
2D Shapes

Name and describe these shapes.



2D Shapes

Trapezium



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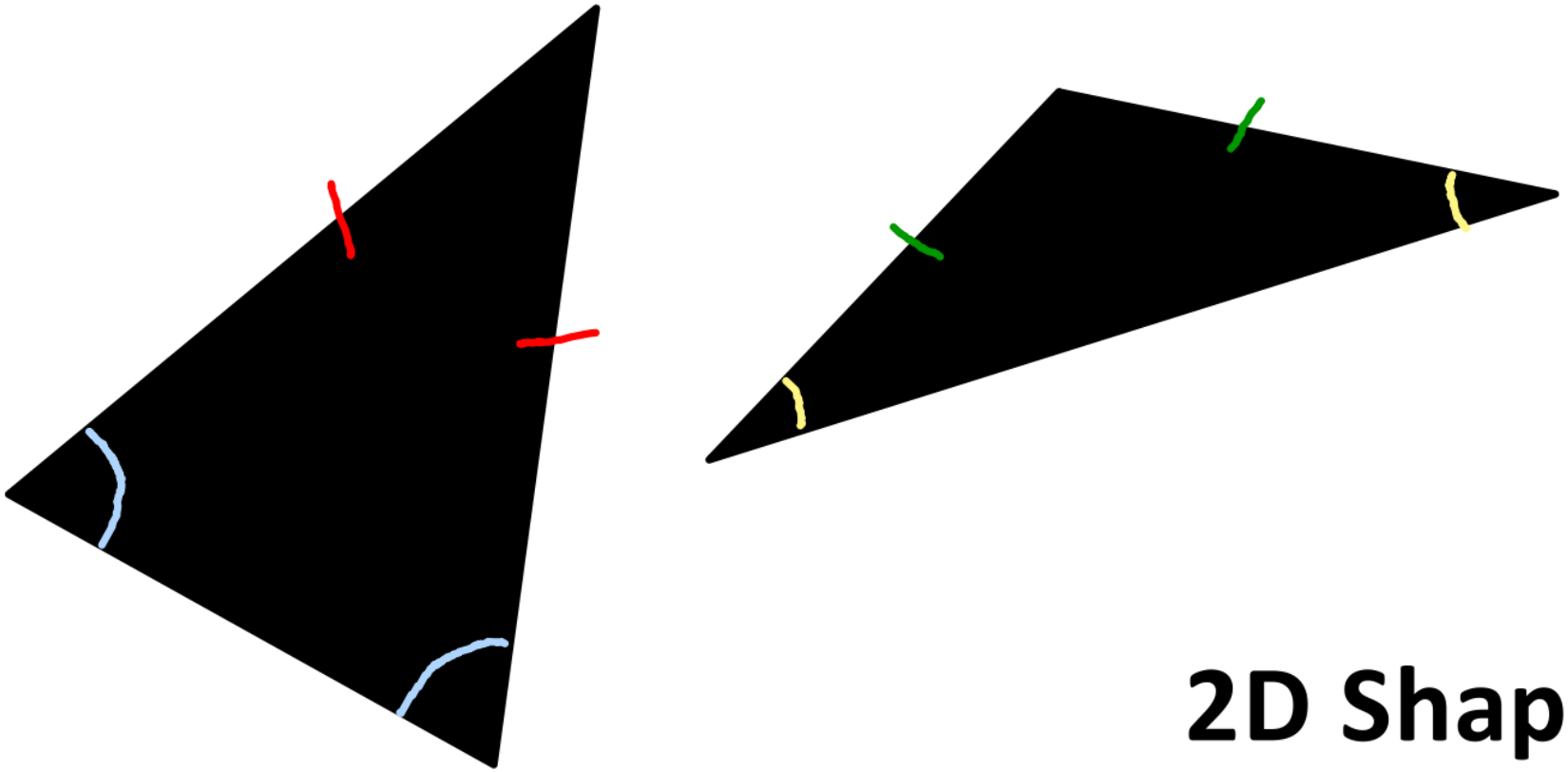
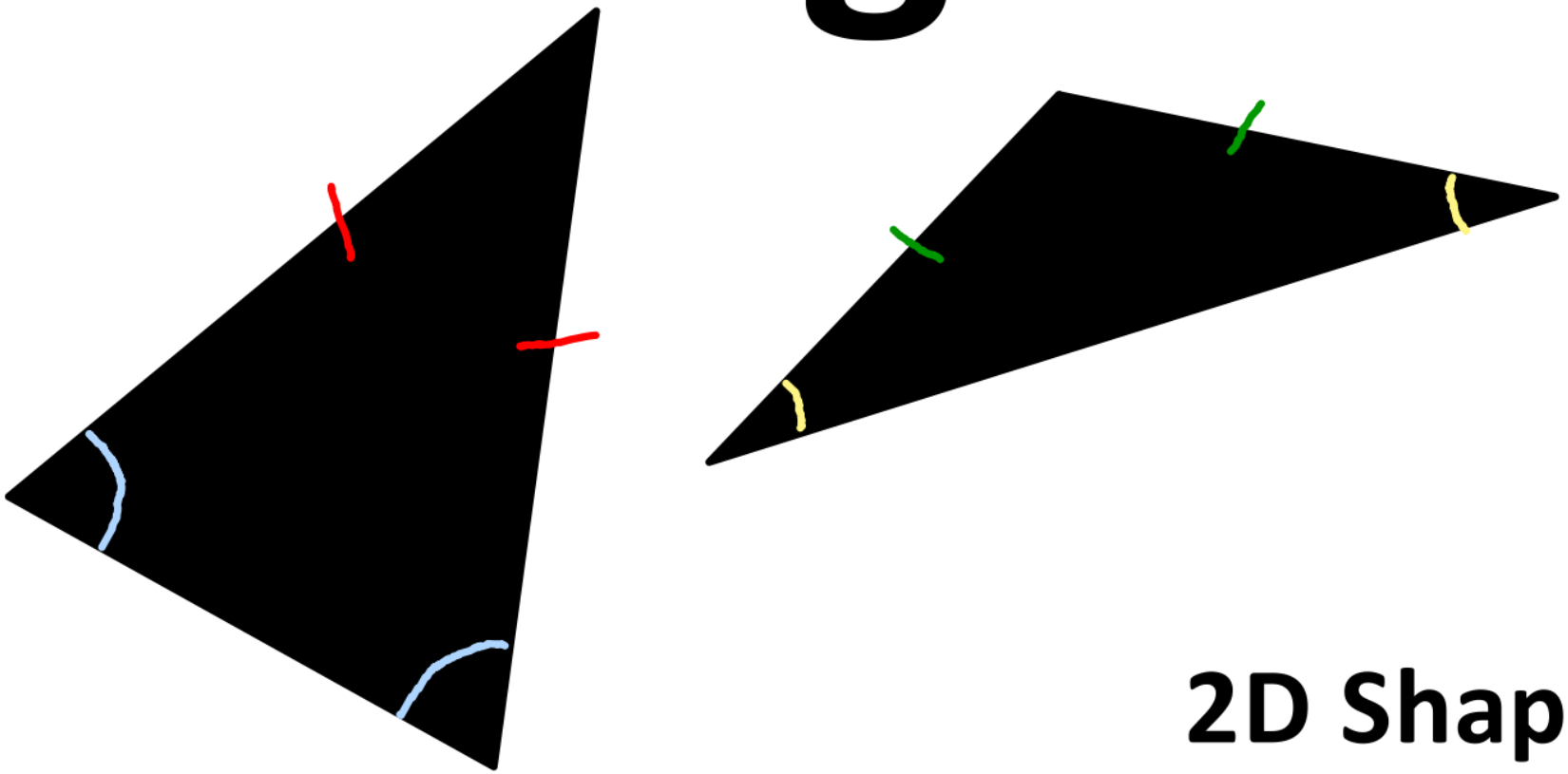
2D Shapes

Name and describe these shapes.

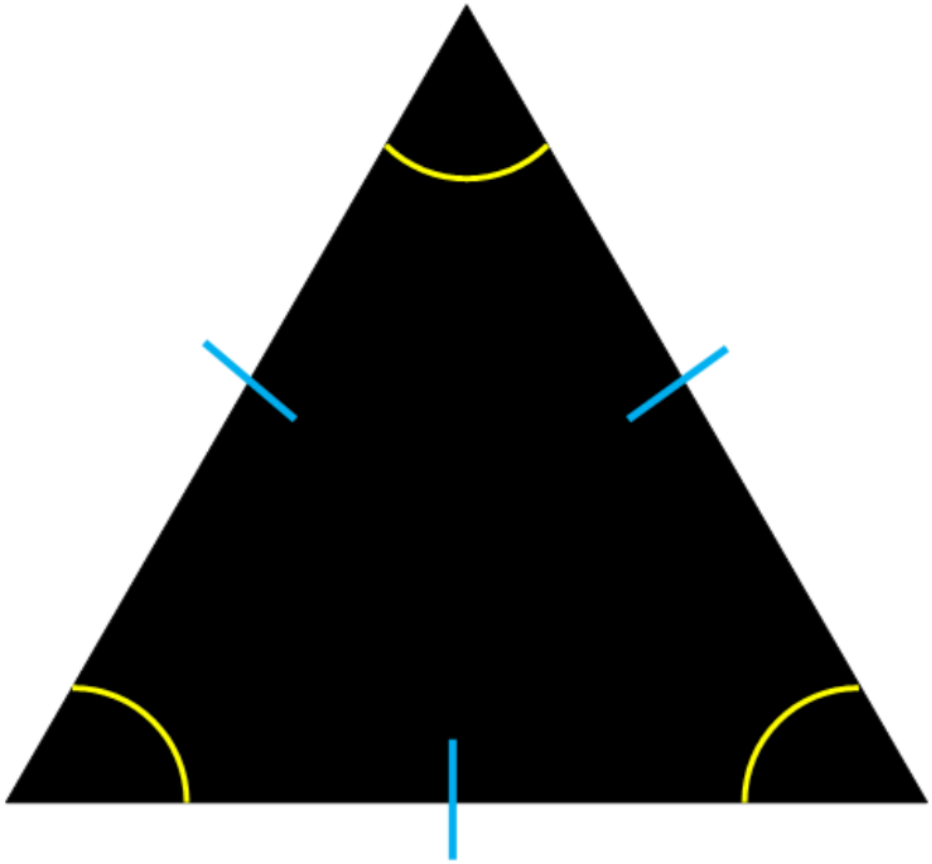


Isosceles Triangle



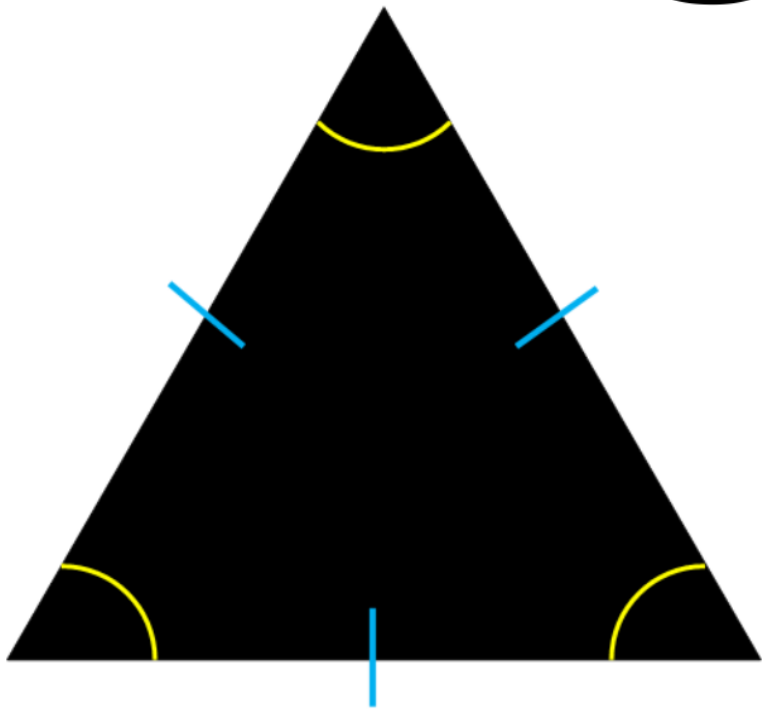
2D Shapes

Name and describe this shape.



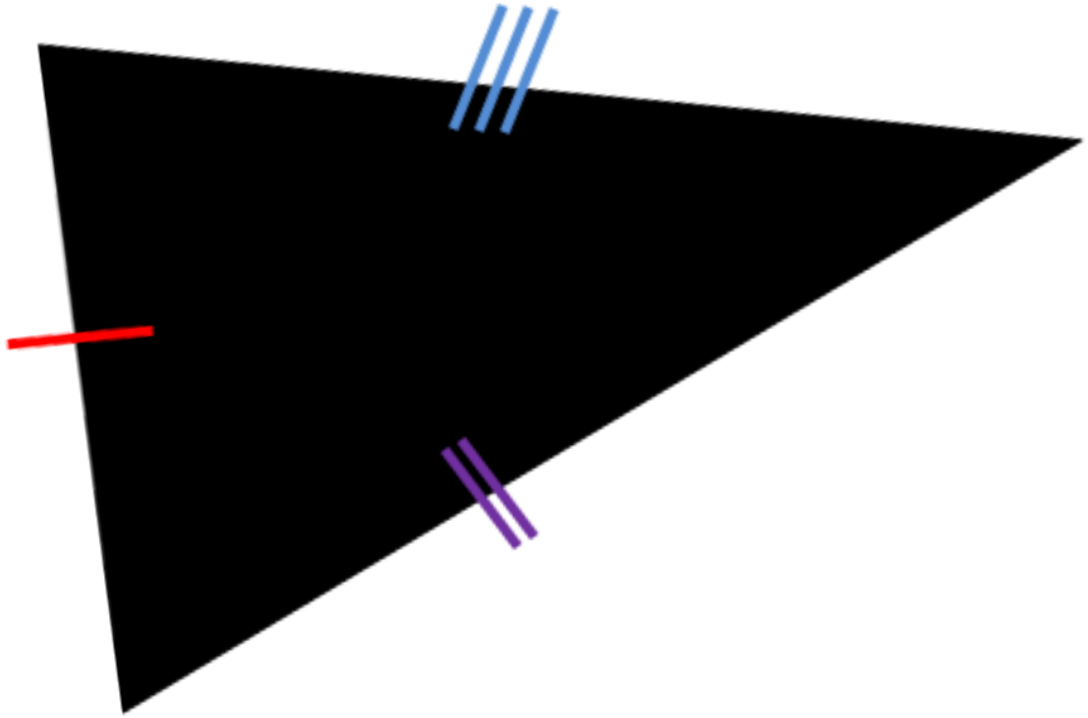
2D Shapes

Equilateral Triangle



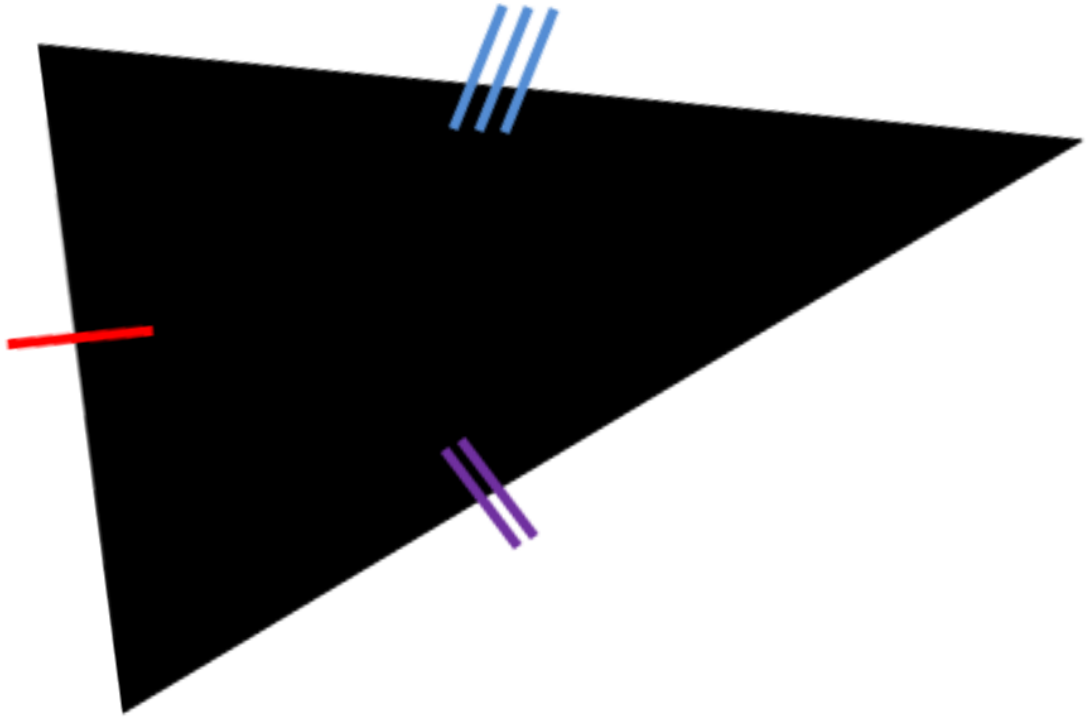
2D Shapes

Name and describe this shape.



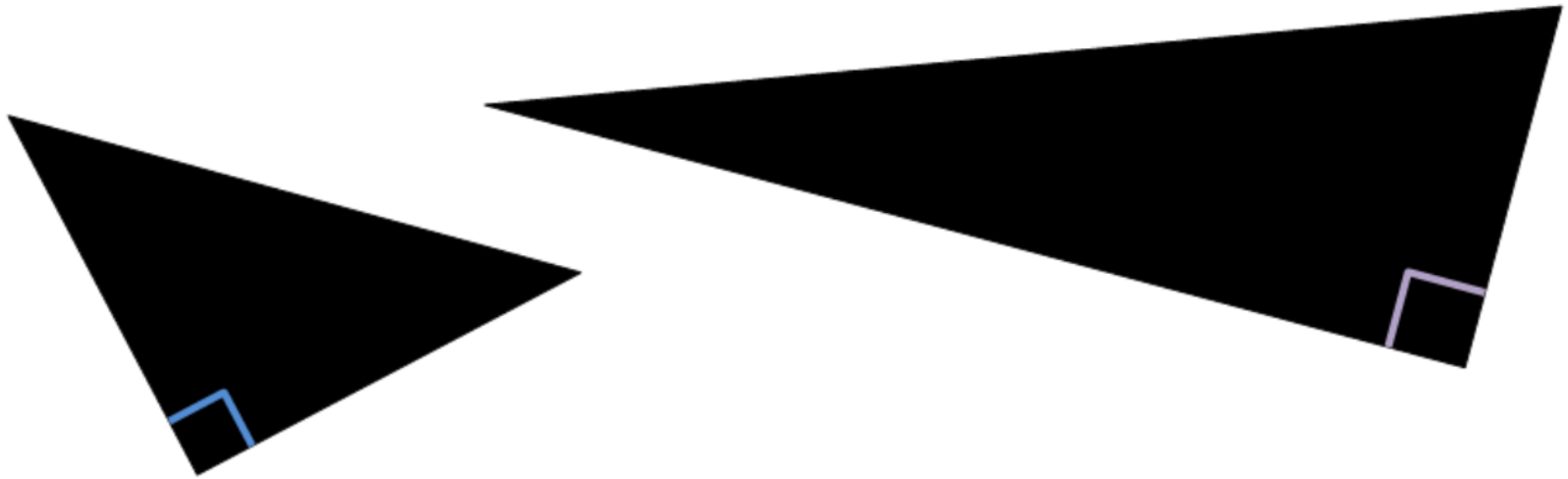
2D Shapes

Scalene Triangle

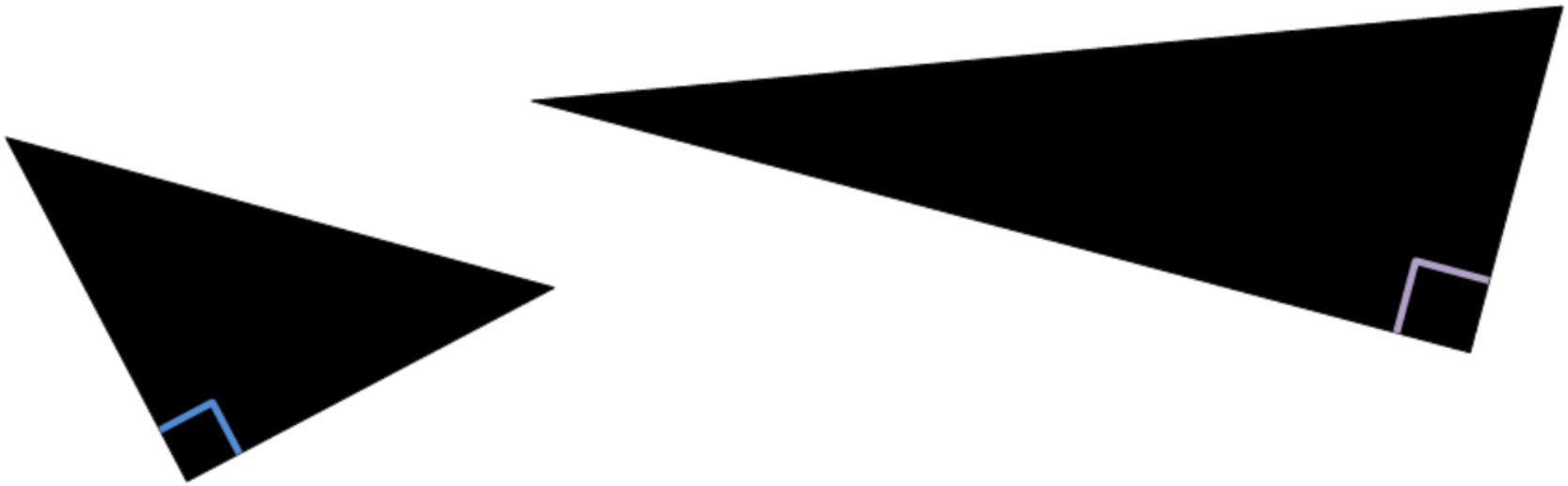


2D Shapes

Name and describe this shape.



Right-angle Triangle

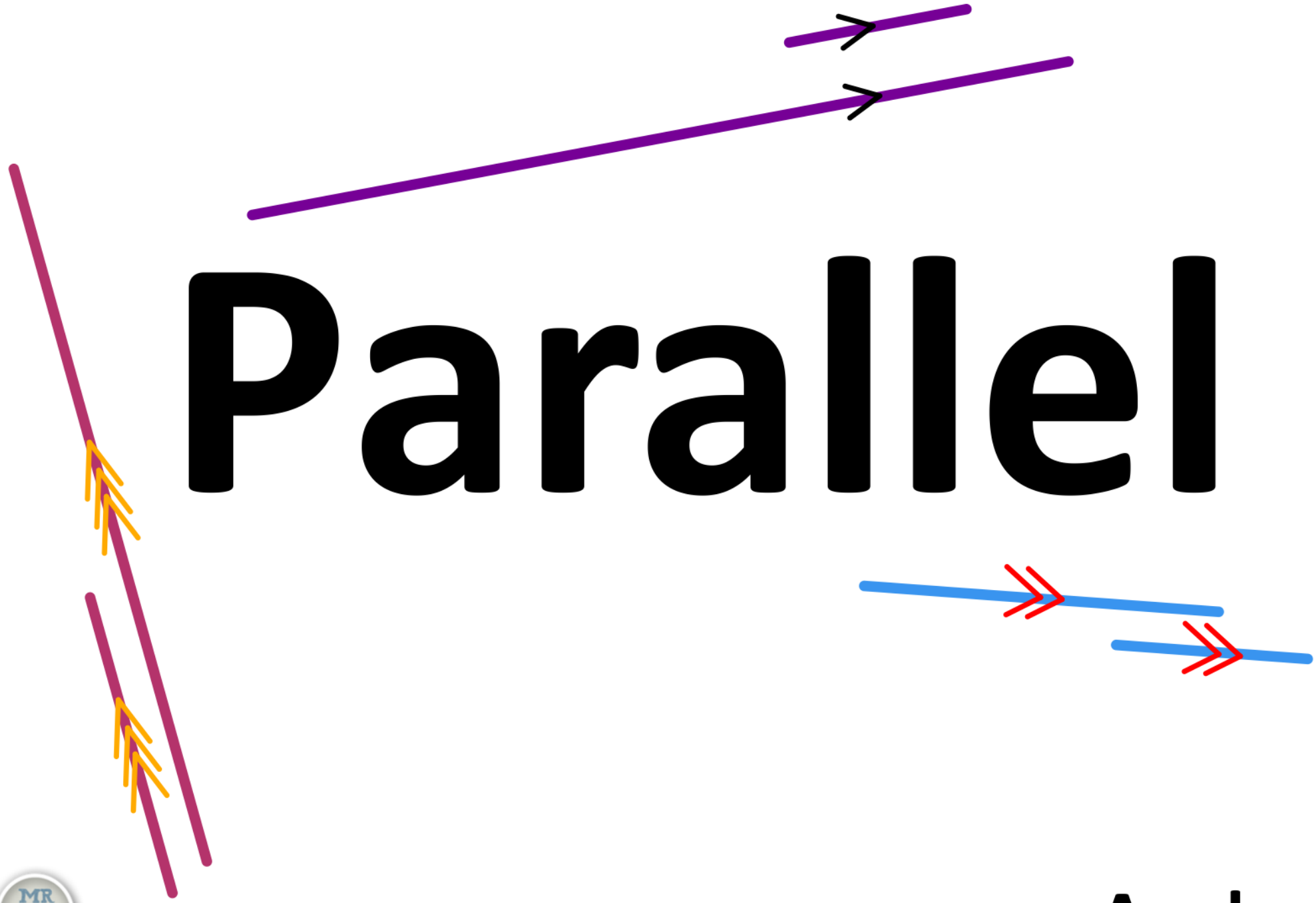


2D Shapes

Polygon

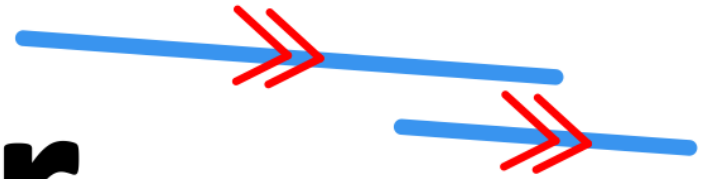
2D Shapes

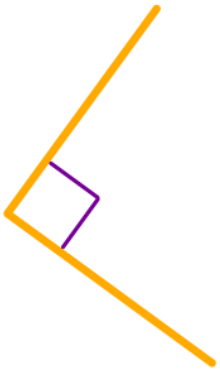
A closed 2D shape with straight sides.

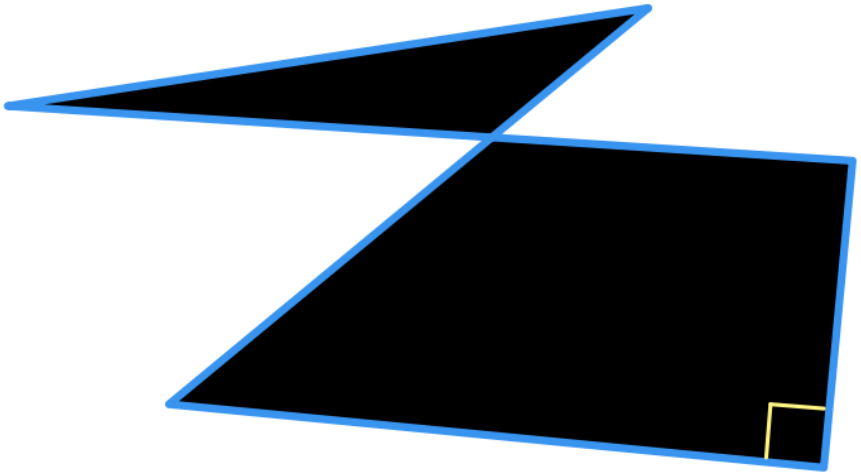


Angles

Lines that never meet, no matter how long or short they are.



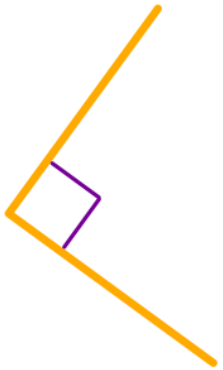




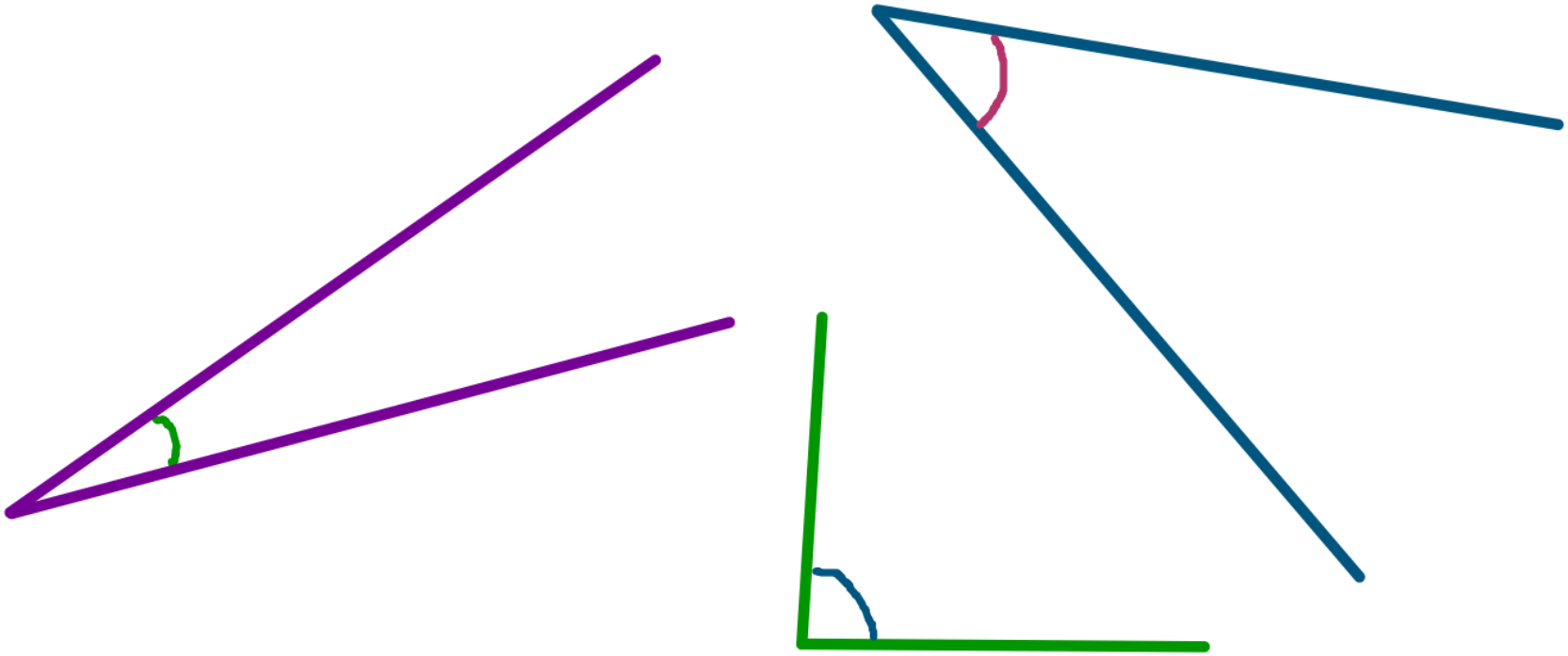
Perpendicular

Angles

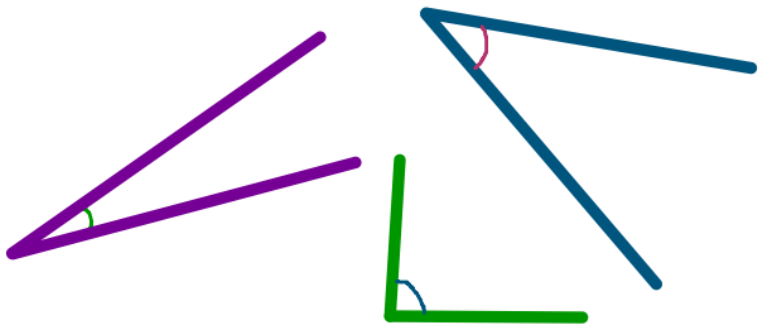
Lines that meet at right angles.



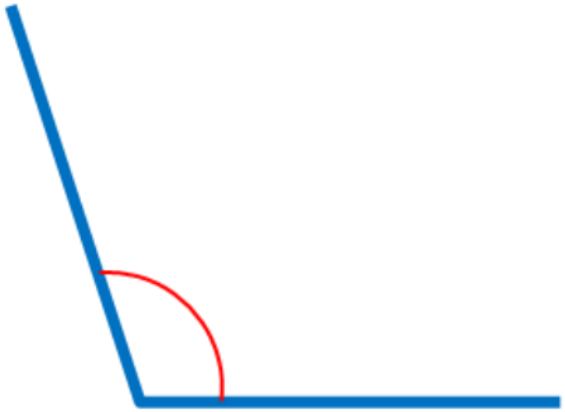
Name and describe these angles.



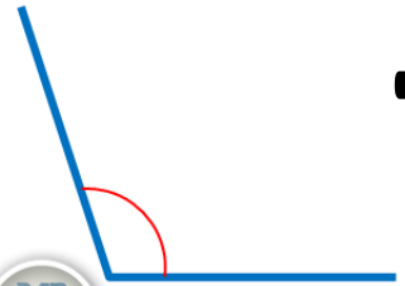
An acute angle measures less than 90°.



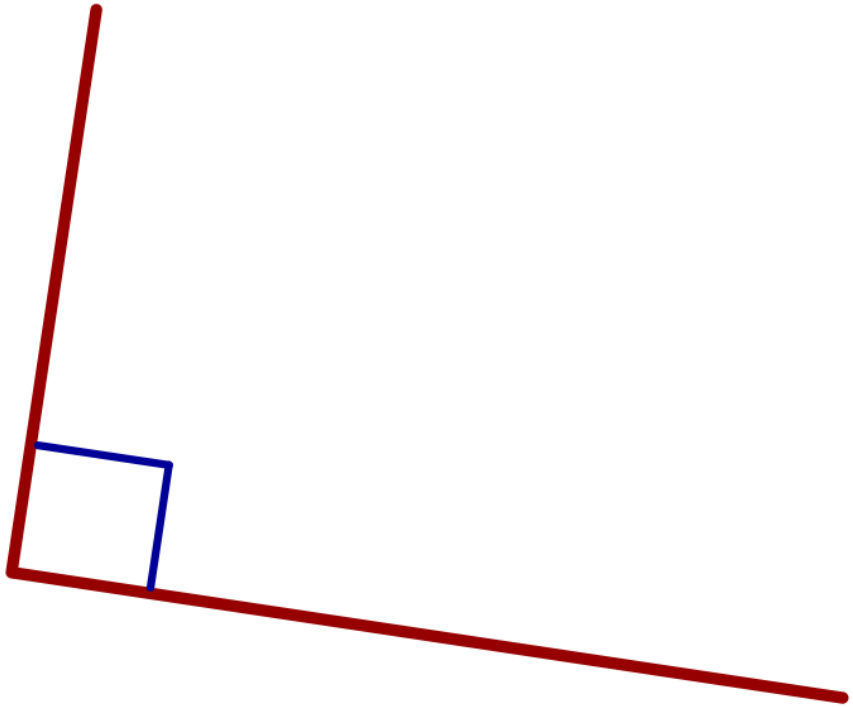
Name and describe these angles.



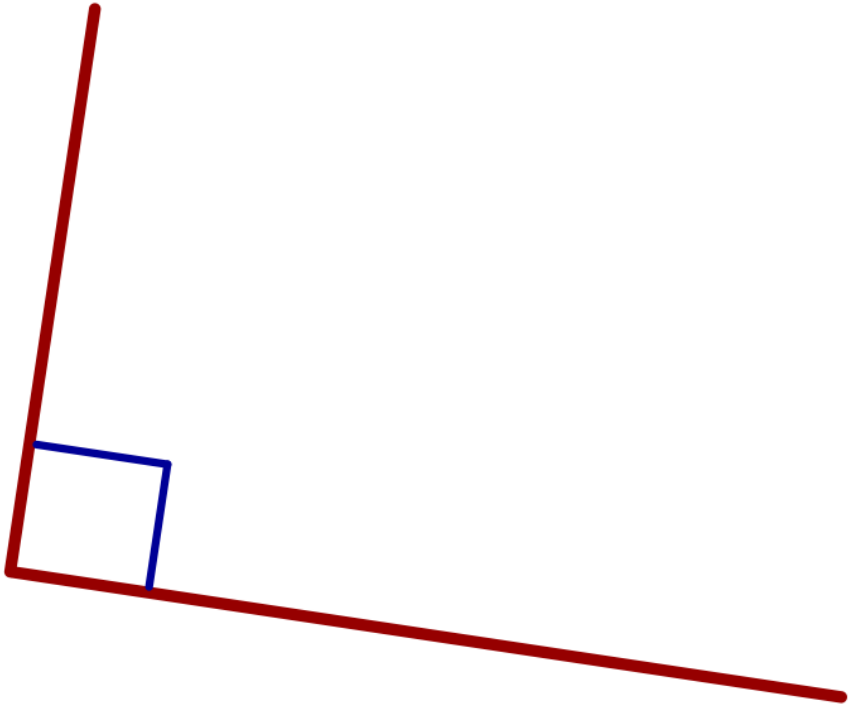
An obtuse angle measures more than 90° but less than 180°.



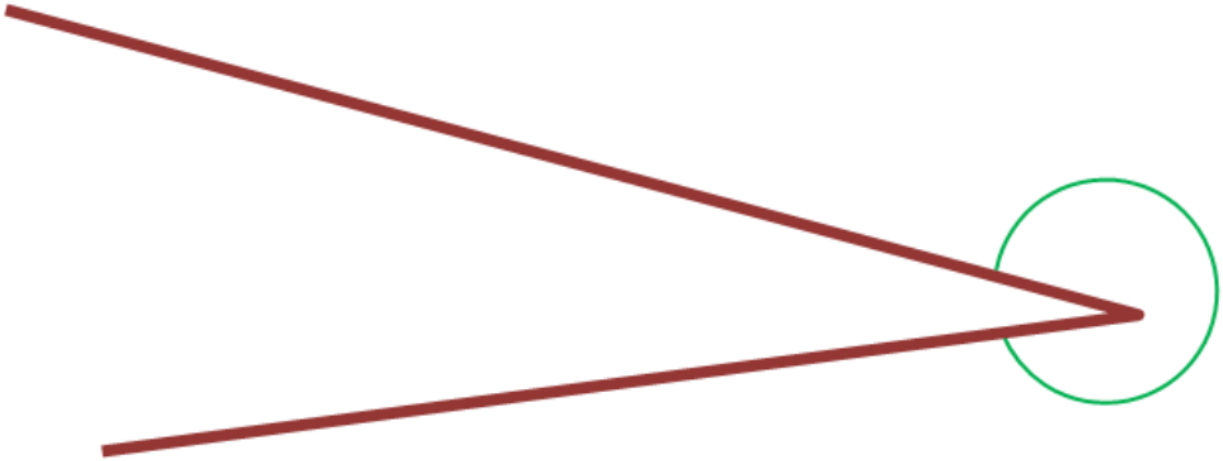
Name and describe this angle.



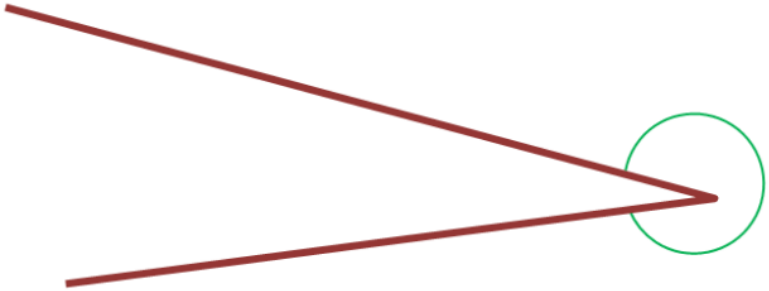
A right angle measures 90°.



Name and describe this angle.



A reflex angle measures more than 180°.



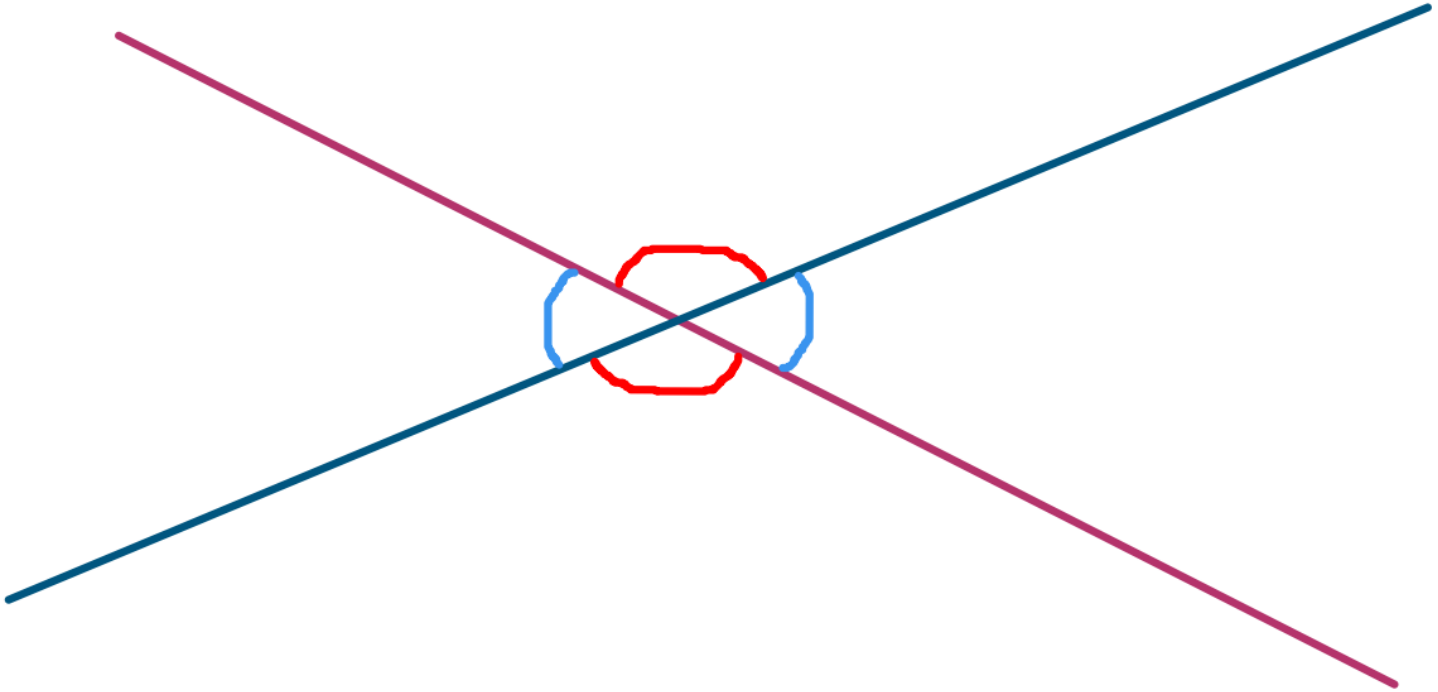
Angles on a straight line add up to...?

Angles on a straight line add up to 180°.

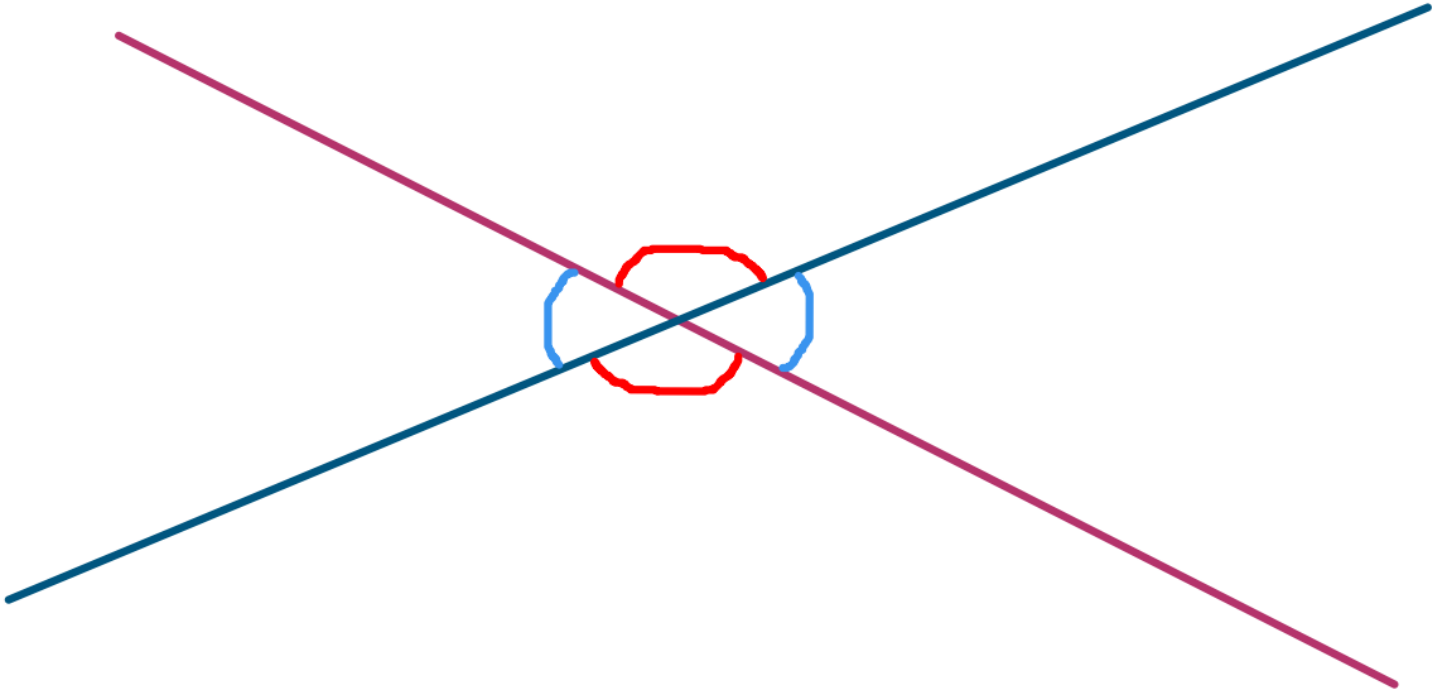
Angles around a point add up to...?

Angles around a point add up to 360°.

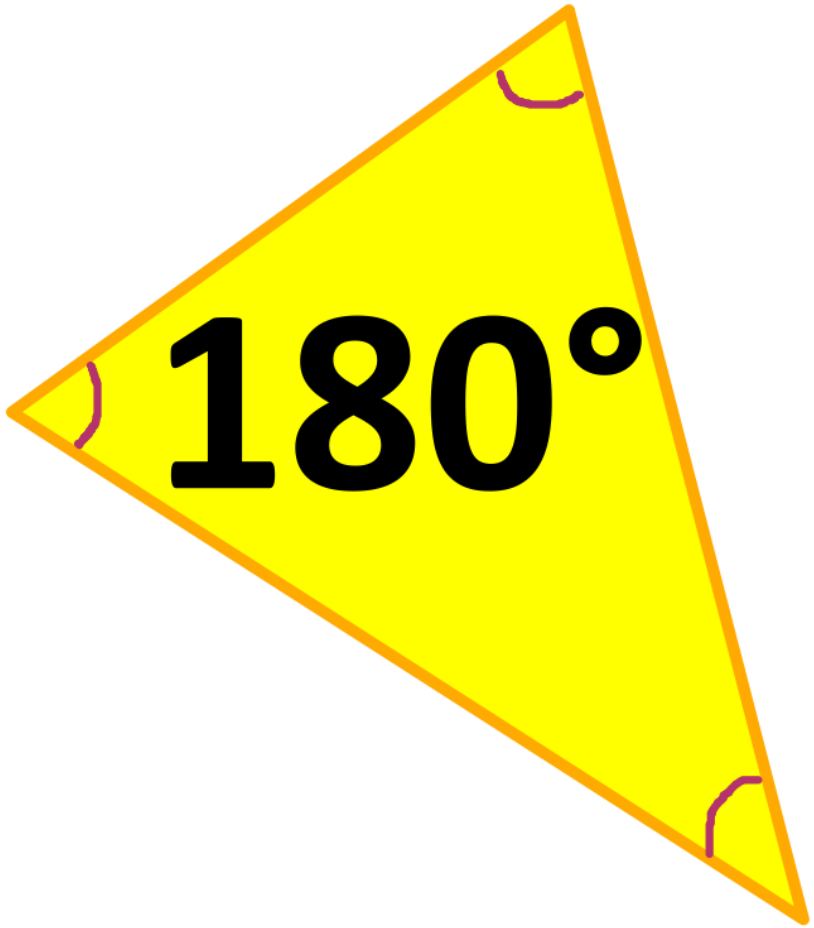
Name and describe these angles.



Vertically opposite angles are equal.



What do the interior angles of a triangle add up to?



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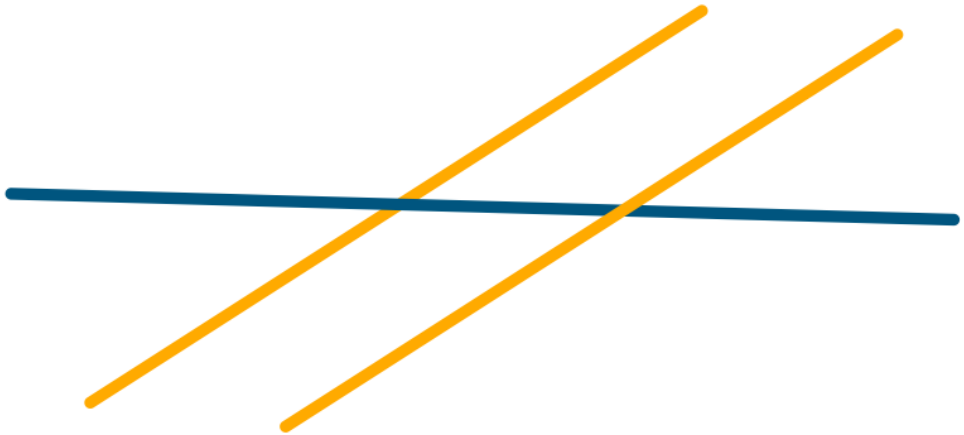
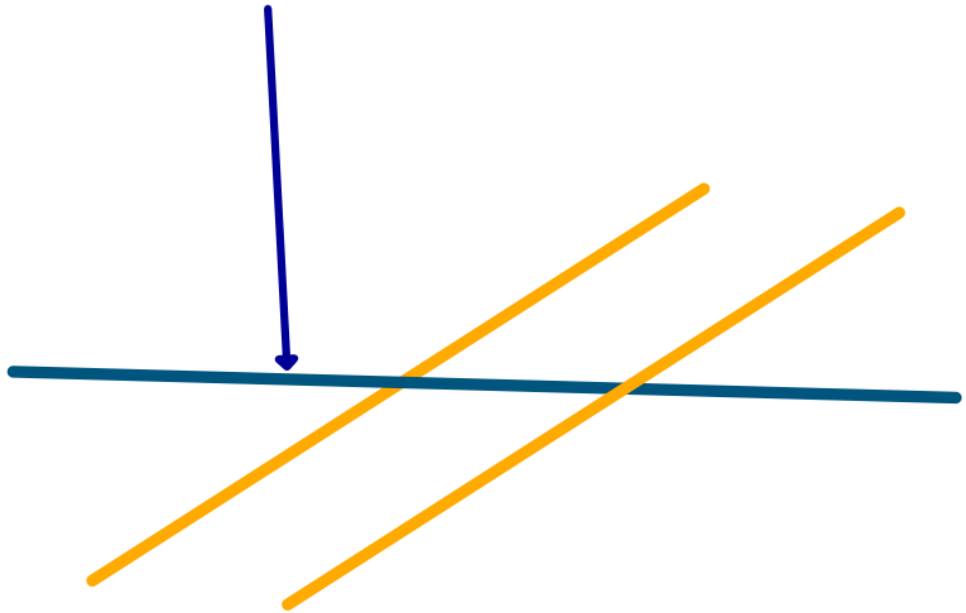
Angles

What do we call a line that crosses two or more lines?



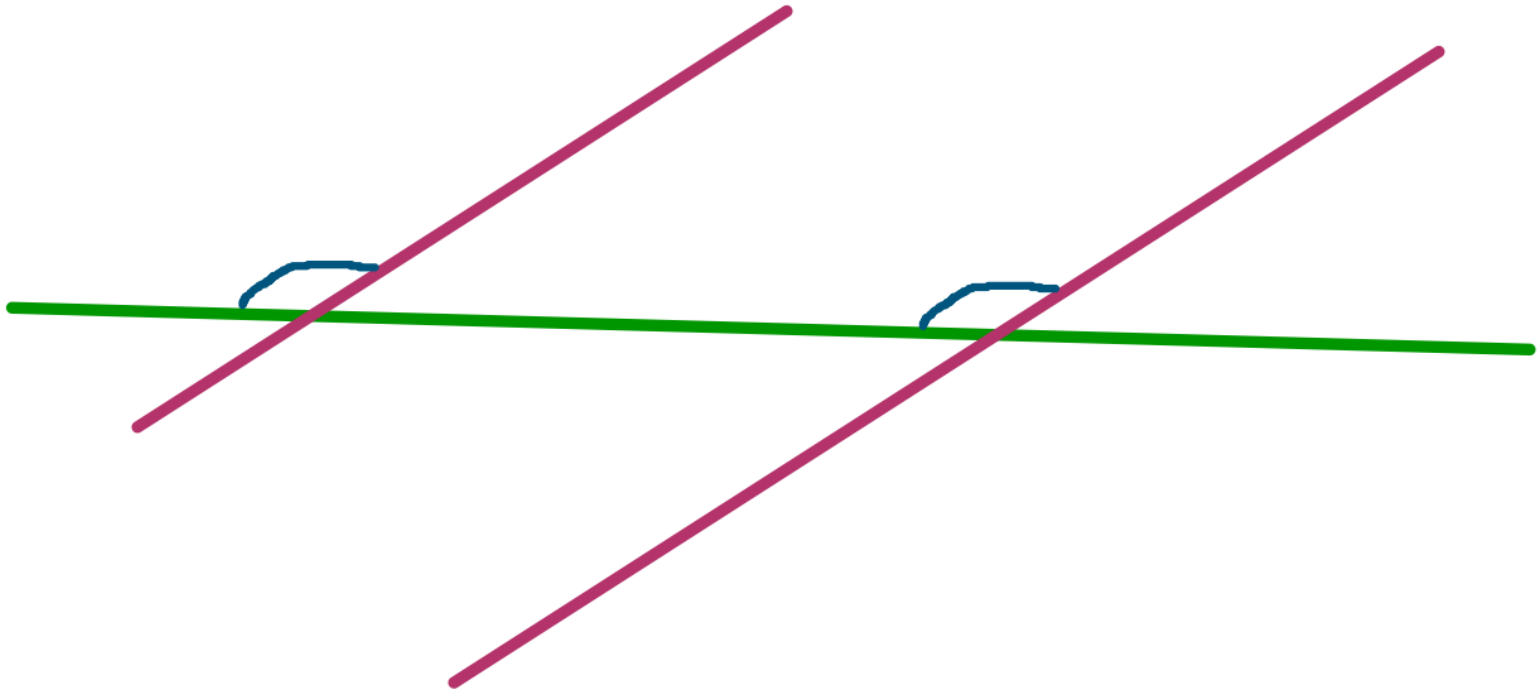
Angles

Transversal

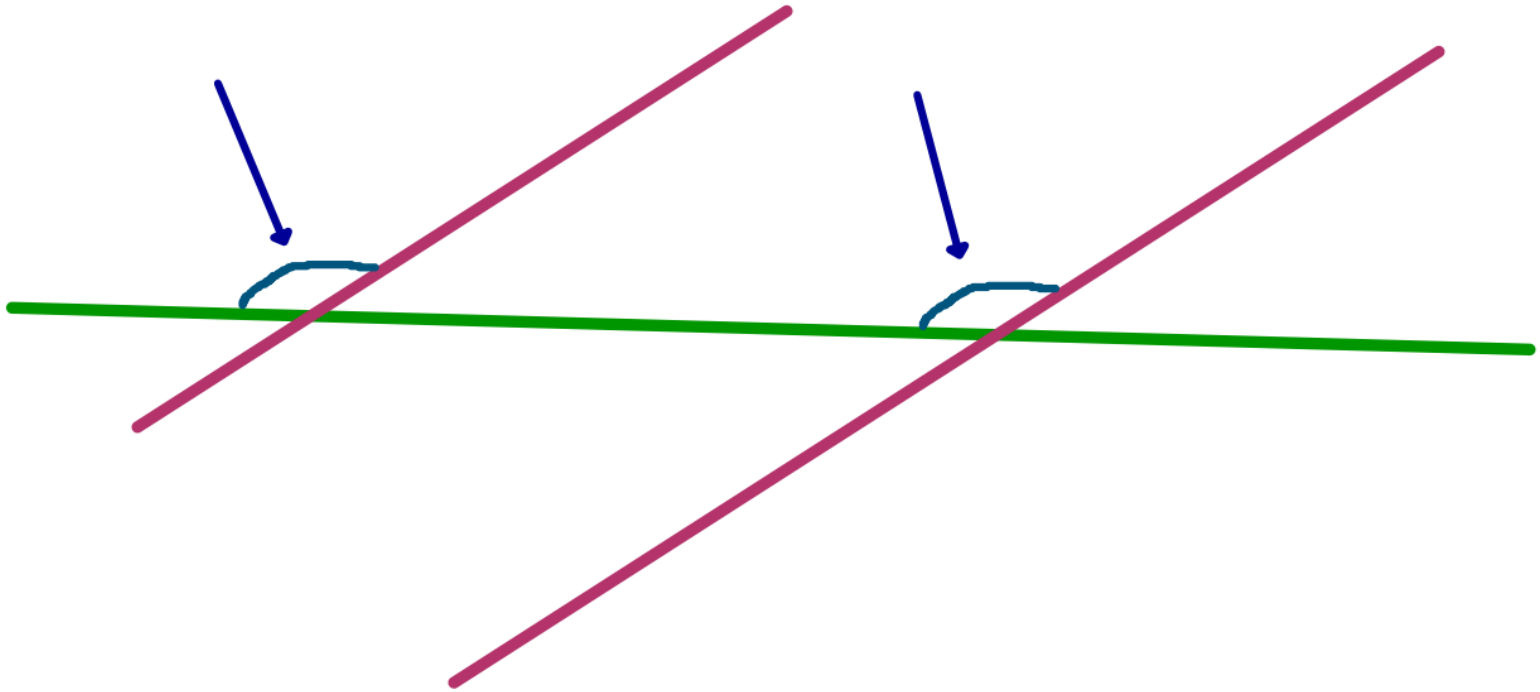


Angles

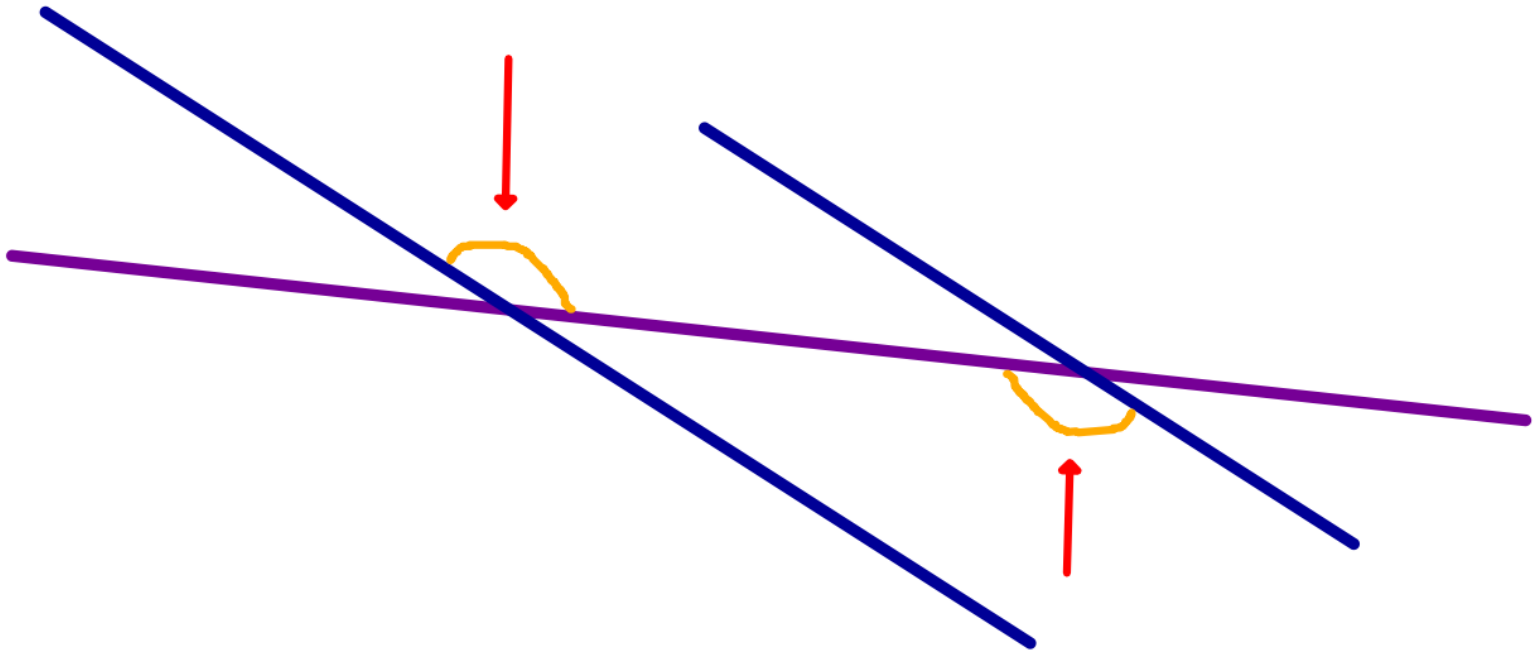
Name and describe these angles.



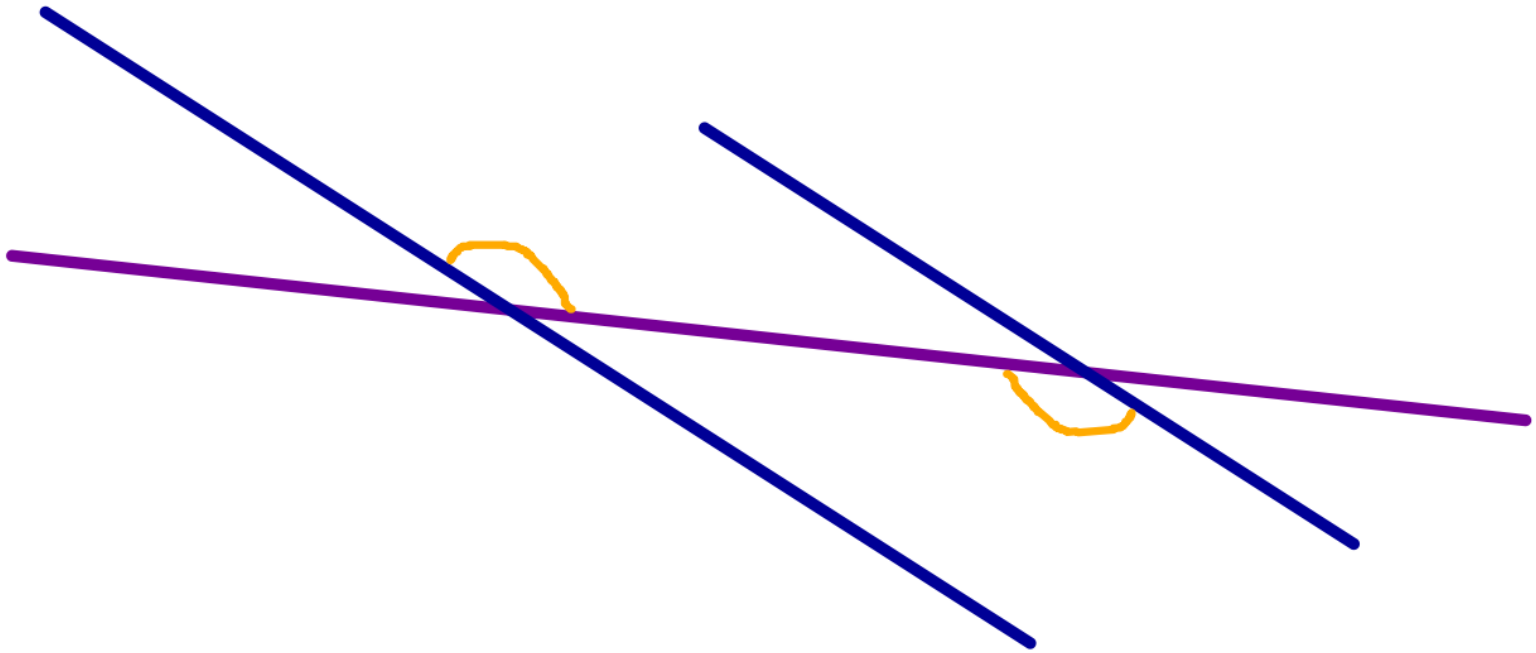
Corresponding angles are equal.



Name and describe these angles.



Alternate angles are equal.



Transformation

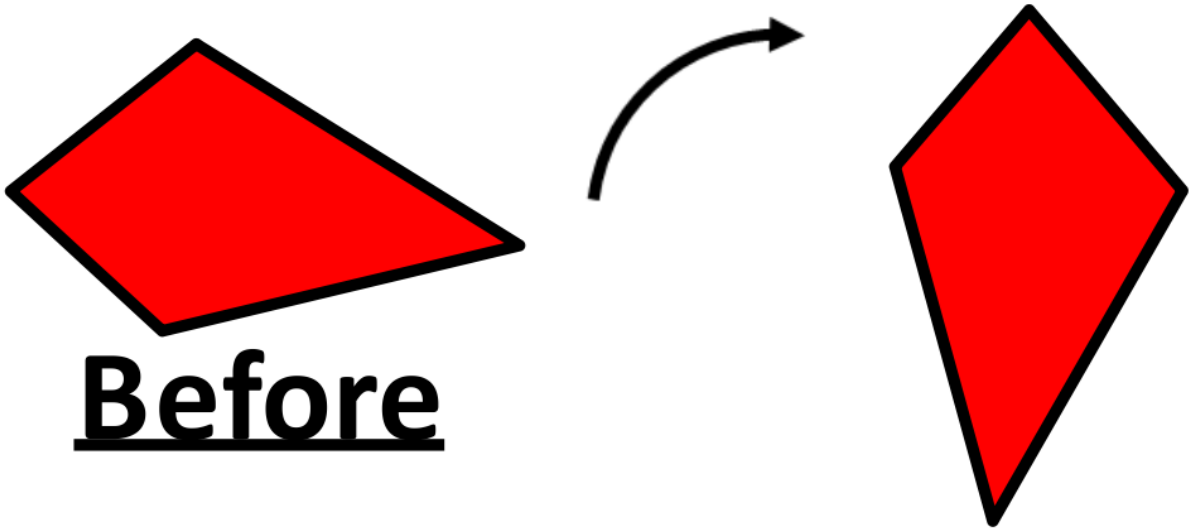
Transformation

Transformation means to change a shape, e.g. by rotation, reflection, translation or enlargement.

Object

Transformation

The orginal shape BEFORE it gets transformed.



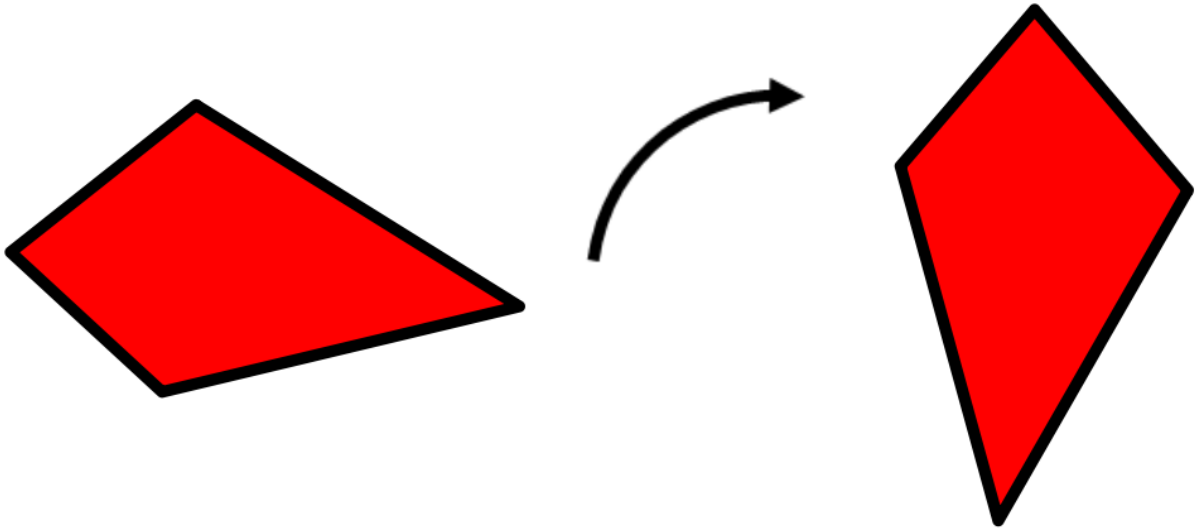
Before

Transformation

Image

Transformation

The shape AFTER it gets transformed.



After

Transformation

Translation

Transformation

To MOVE a shape.

Transformation

Rotation

Transformation

To TURN a shape.

Transformation

Reflection

Transformation

To REFLECT a shape.

Enlargement

Transformation

To make a shape BIGGER or SMALLER.

Transformation

Centre of rotation

Transformation

The point around which a shape is rotated.

Transformation

Clockwise

Transformation

The same way round as the hands on a clock move.

Transformation

Anti-clockwise

Transformation

The opposite direction to the way the hands on a clock move.

Transformation

Half-turn

Transformation

Turn 180°

Transformation

Quarter-turn

Transformation

Turn 90°

Transformation

Three-quarter-turn

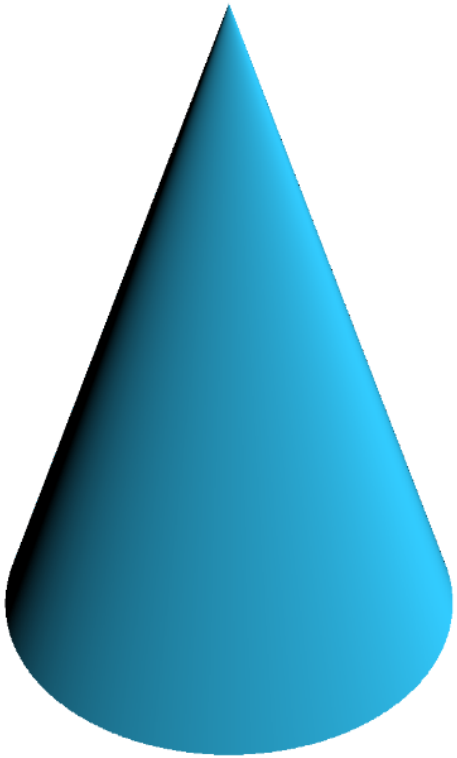
Turn 270°

Transformation

Net

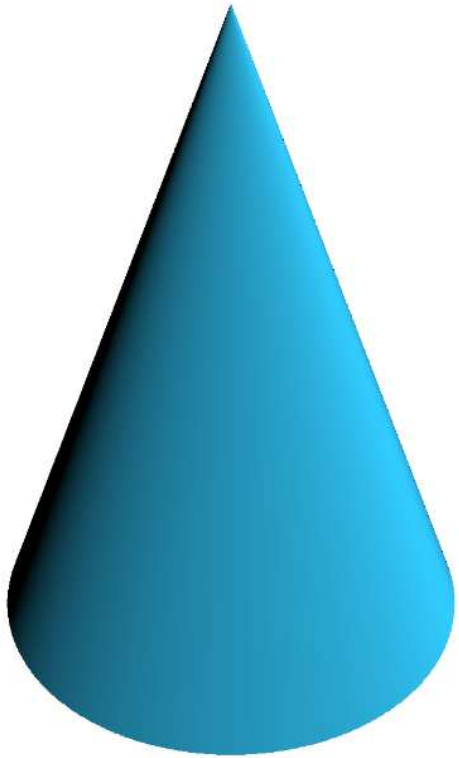
A flat shape which can be folded up to make a 3D shape.

Name this shape.



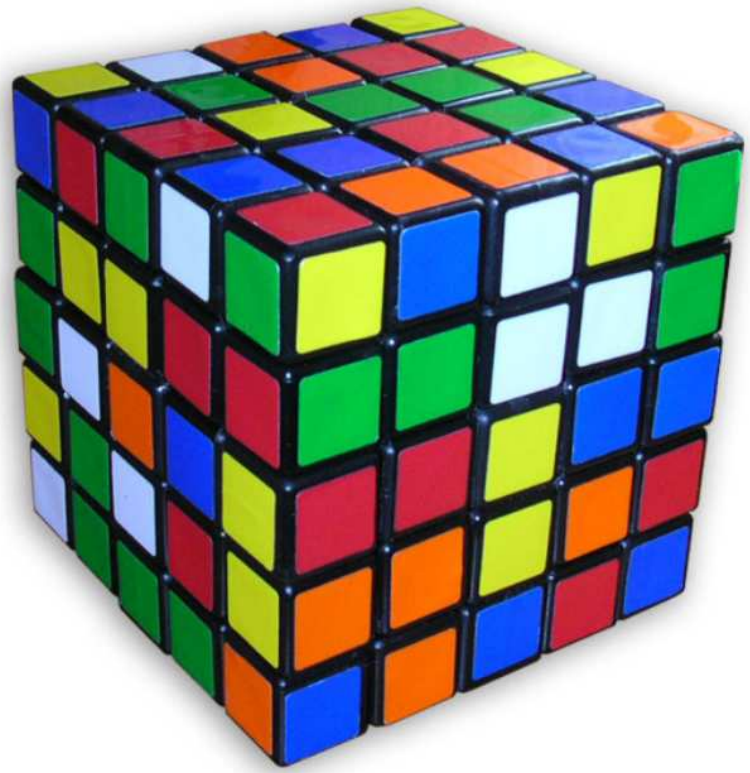
3D Shapes

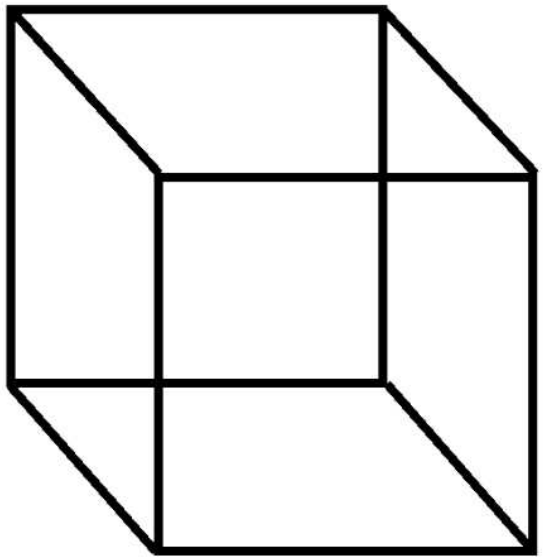
Cone



3D Shapes

Name and describe this shape.





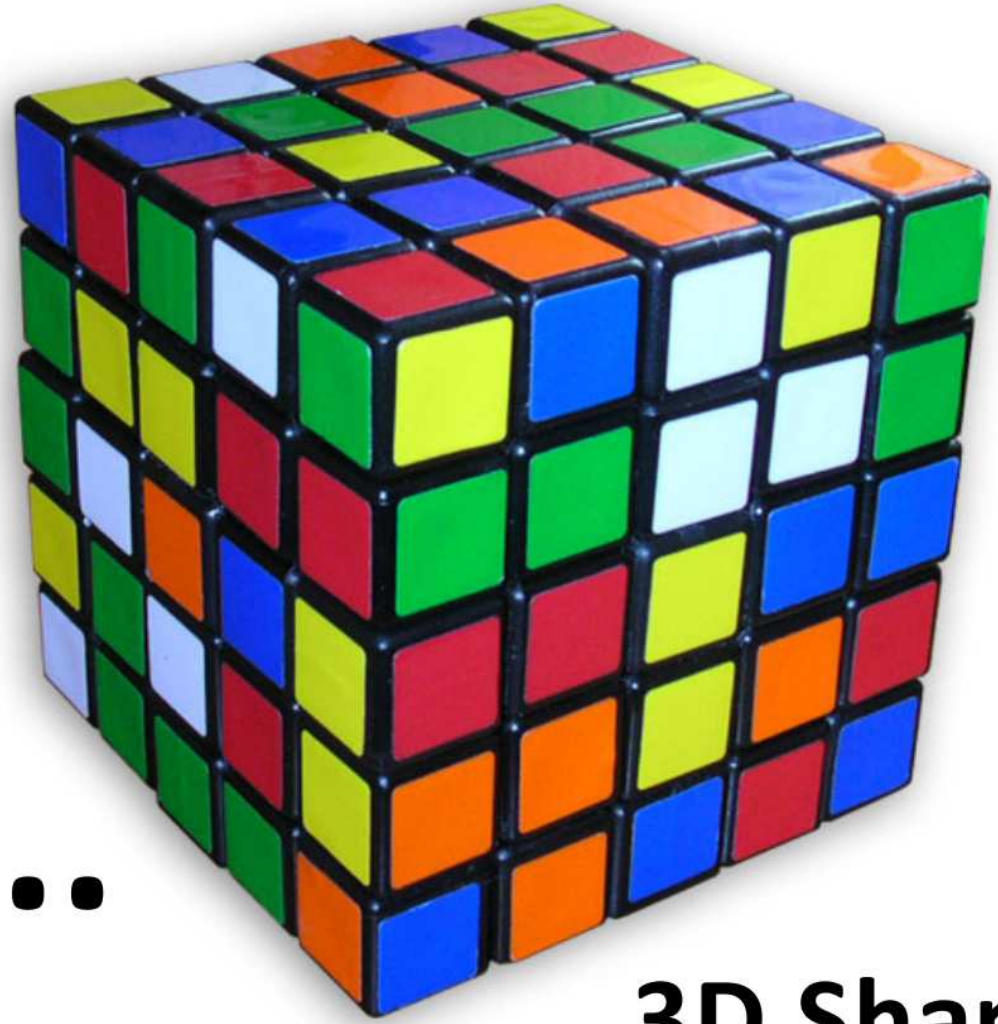
3D Shapes

Cube

Faces...

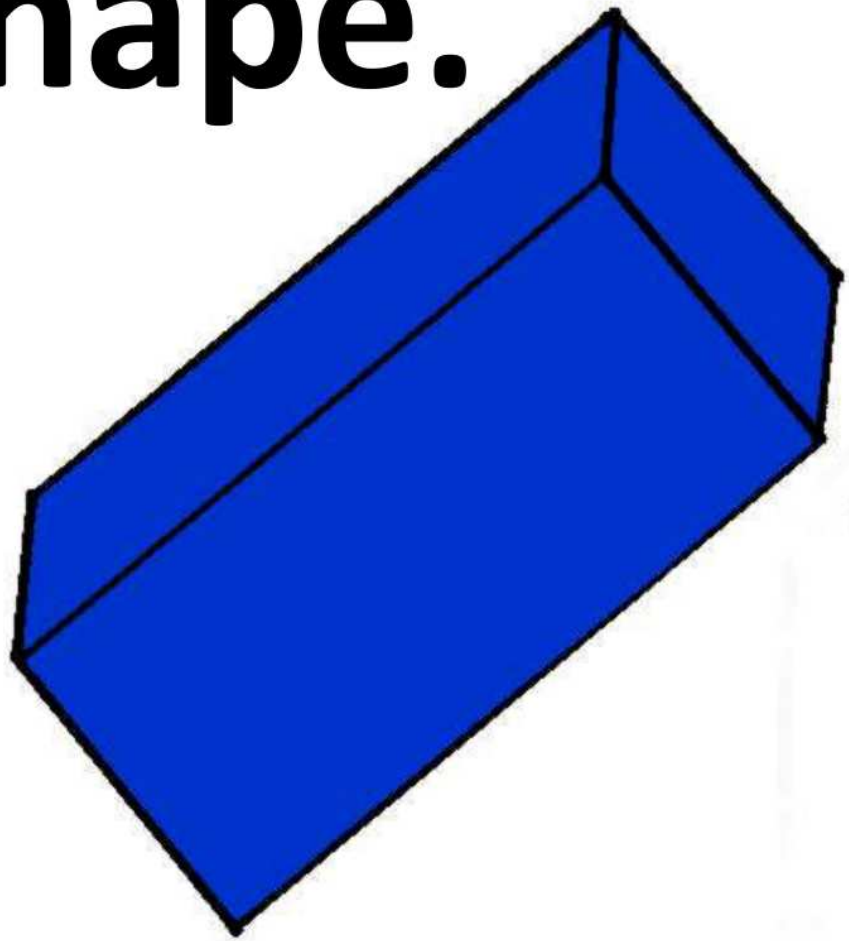
Edges...

Corners...



3D Shapes

Name and describe this shape.



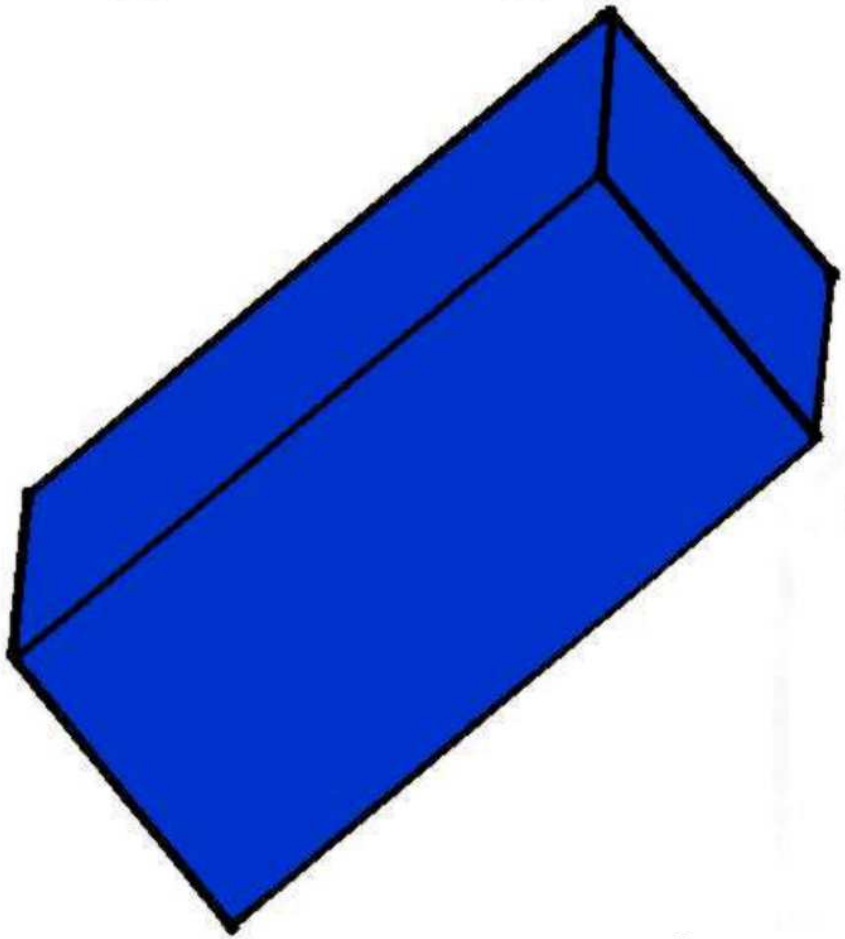
3D Shapes

Cuboid

Faces...

Edges...

Corners...

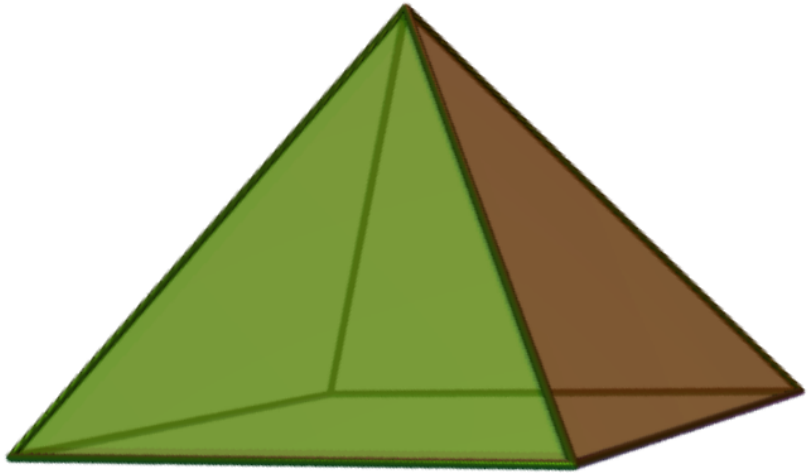


3D Shapes

Name and describe this shape.

Square-based pyramid

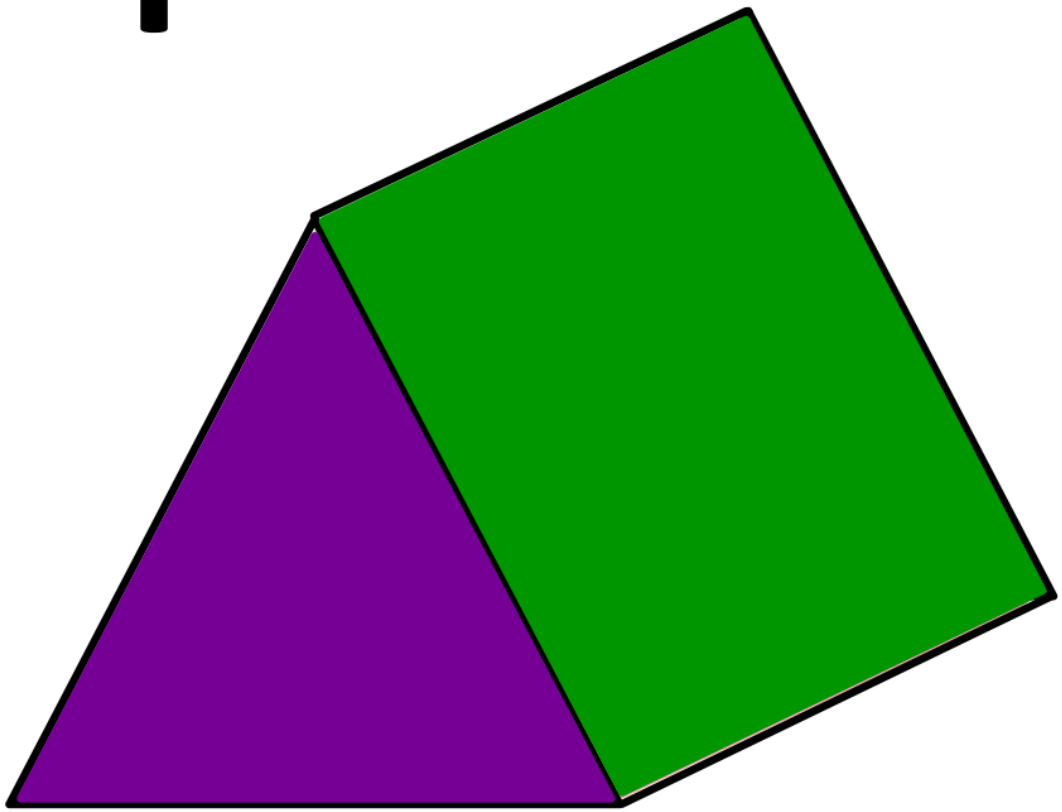
Faces...



Edges...

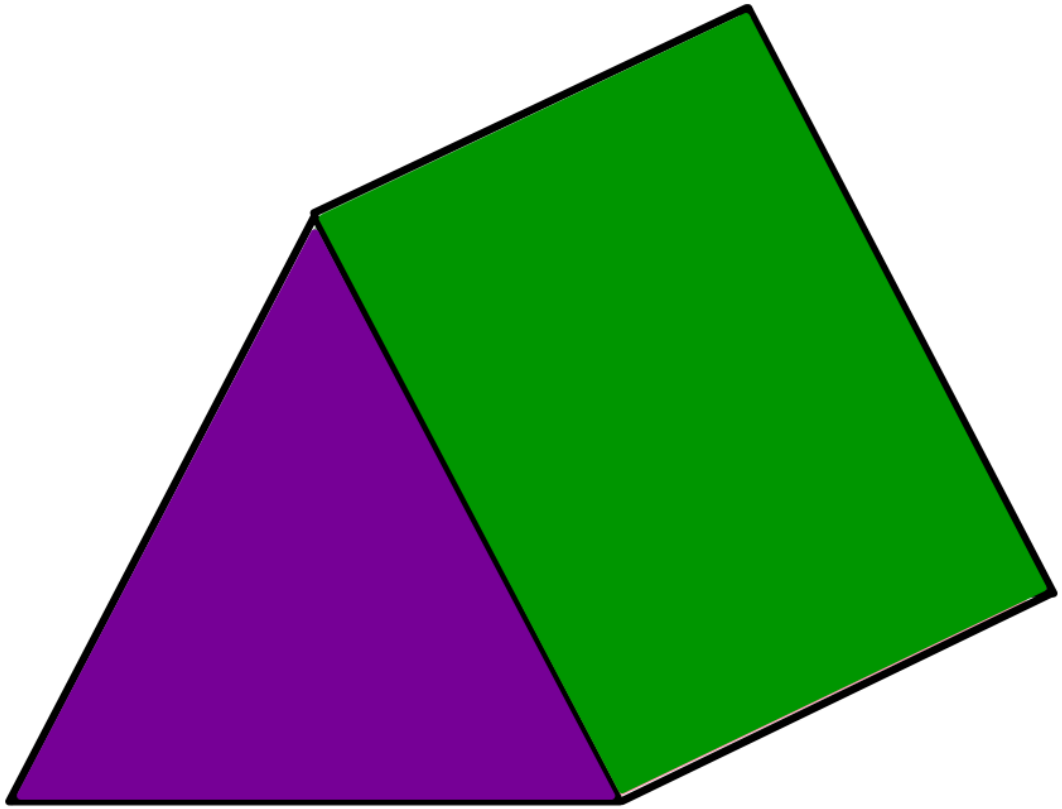
Corners...

Name and describe this shape.



3D Shapes

Triangular Prism



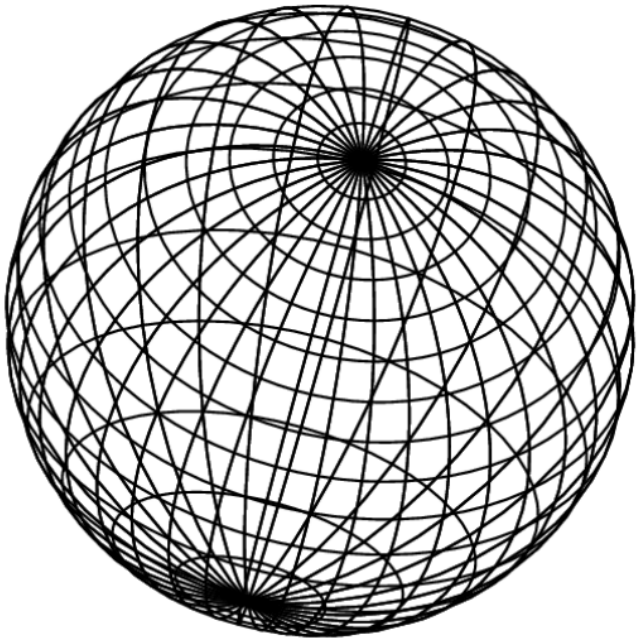
Faces...

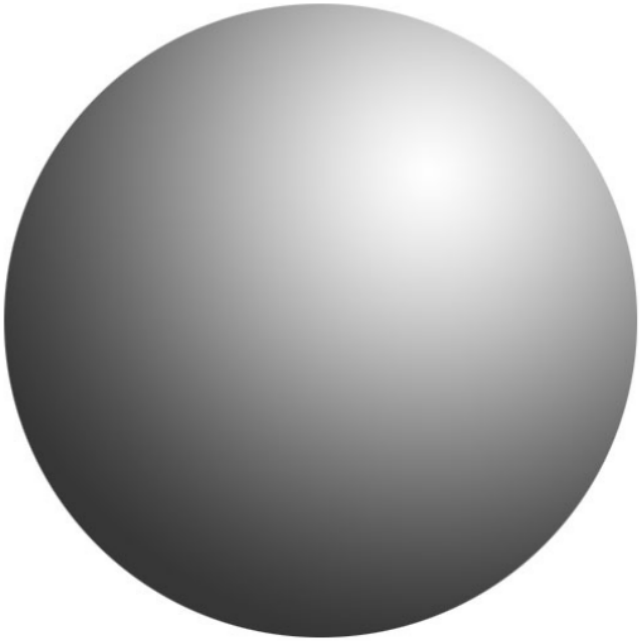
Edges...

Corners...

3D Shapes

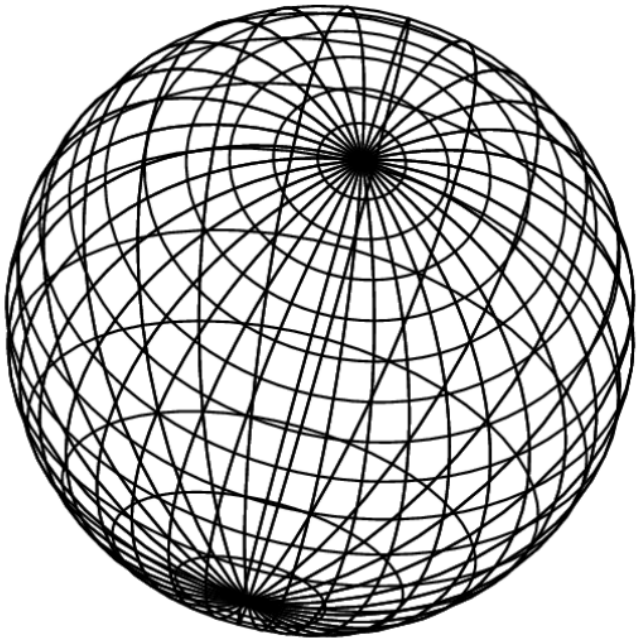
Name these shapes.

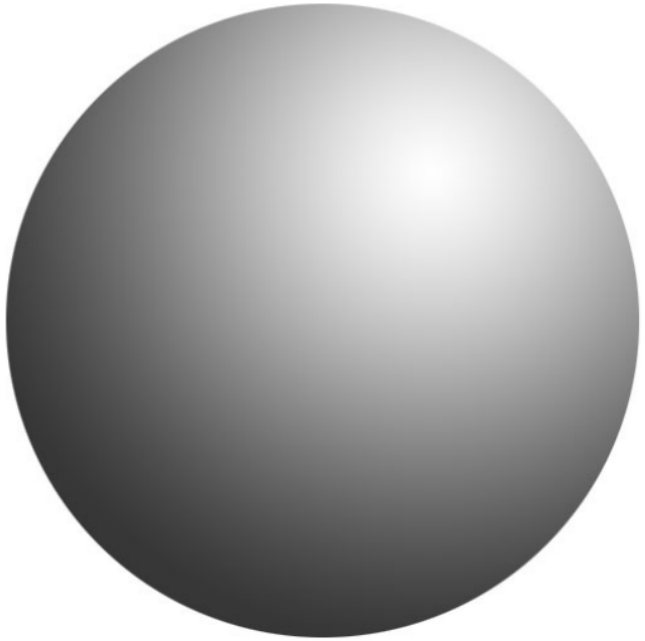




3D Shapes

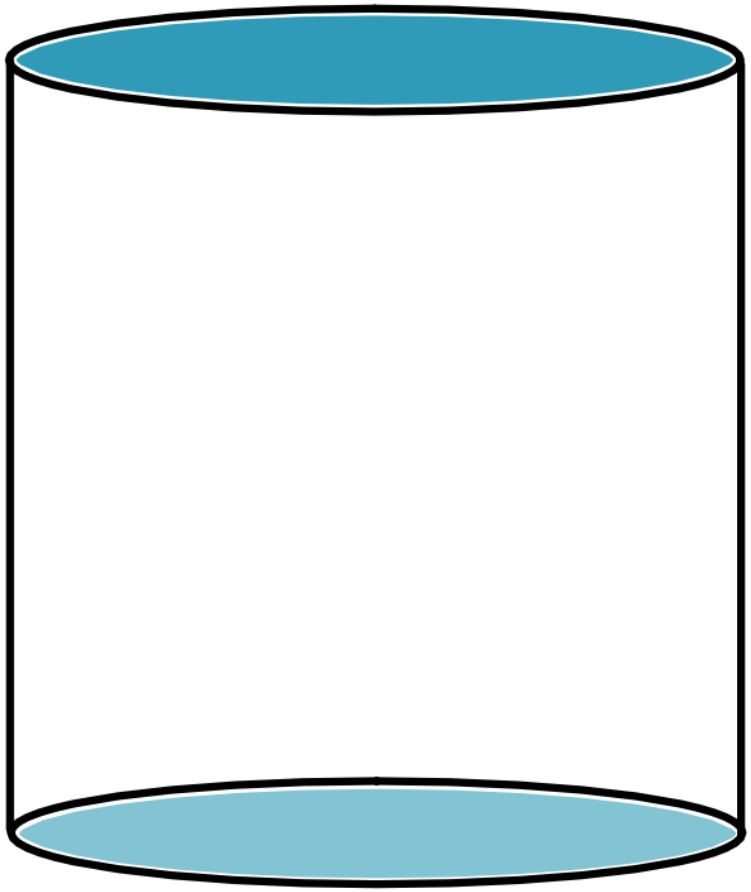
Sphere





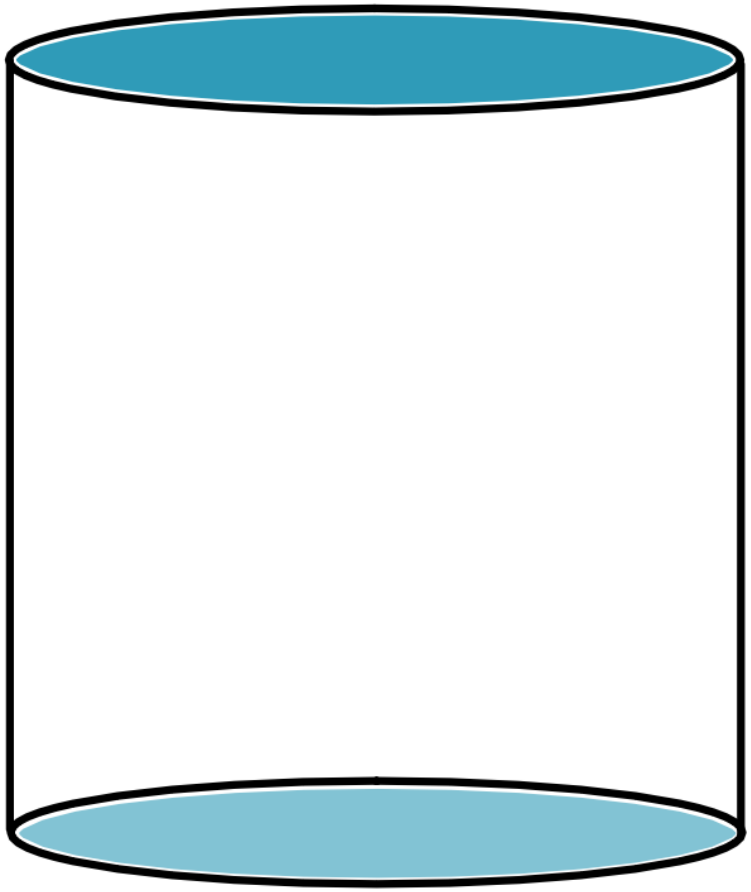
3D Shapes

Name this shape.



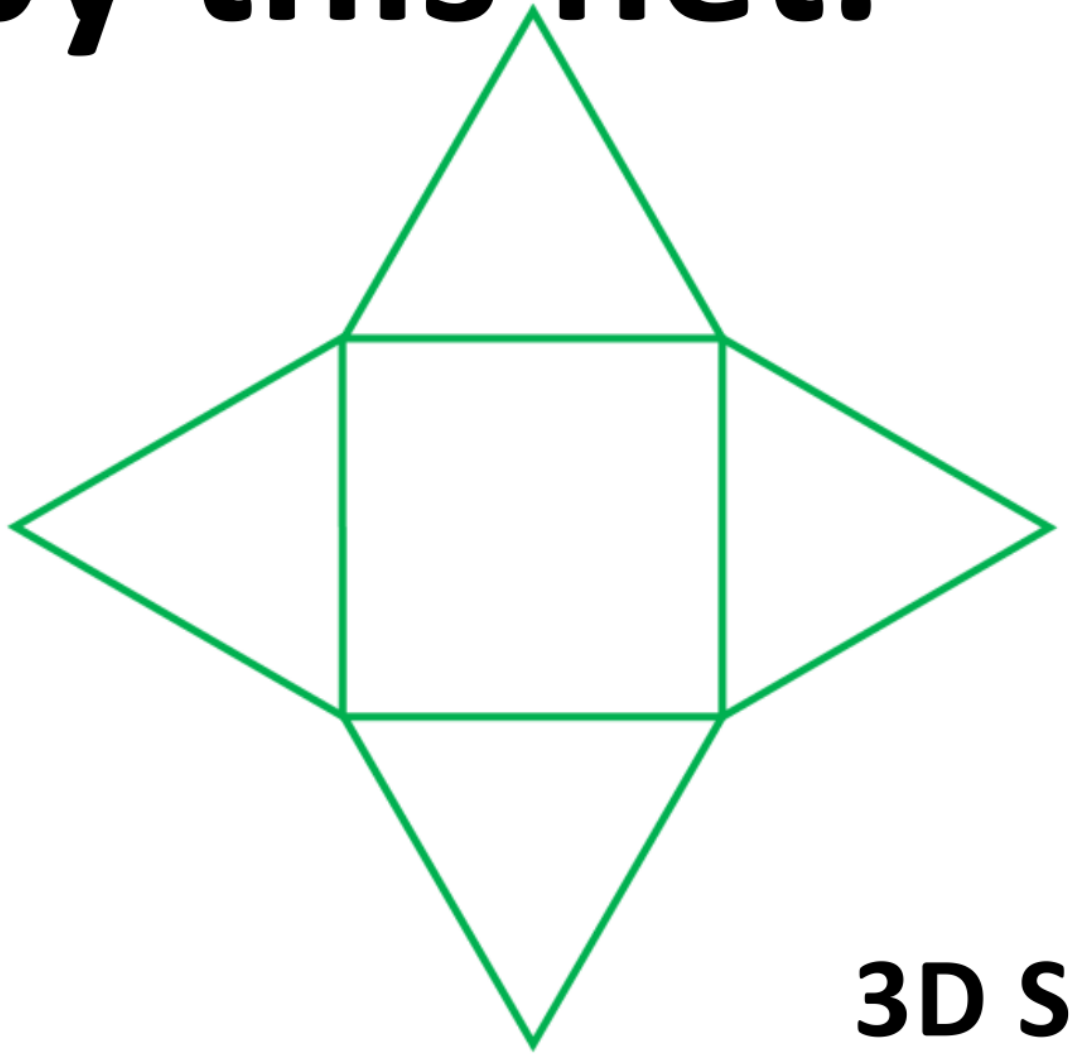
3D Shapes

Cylinder



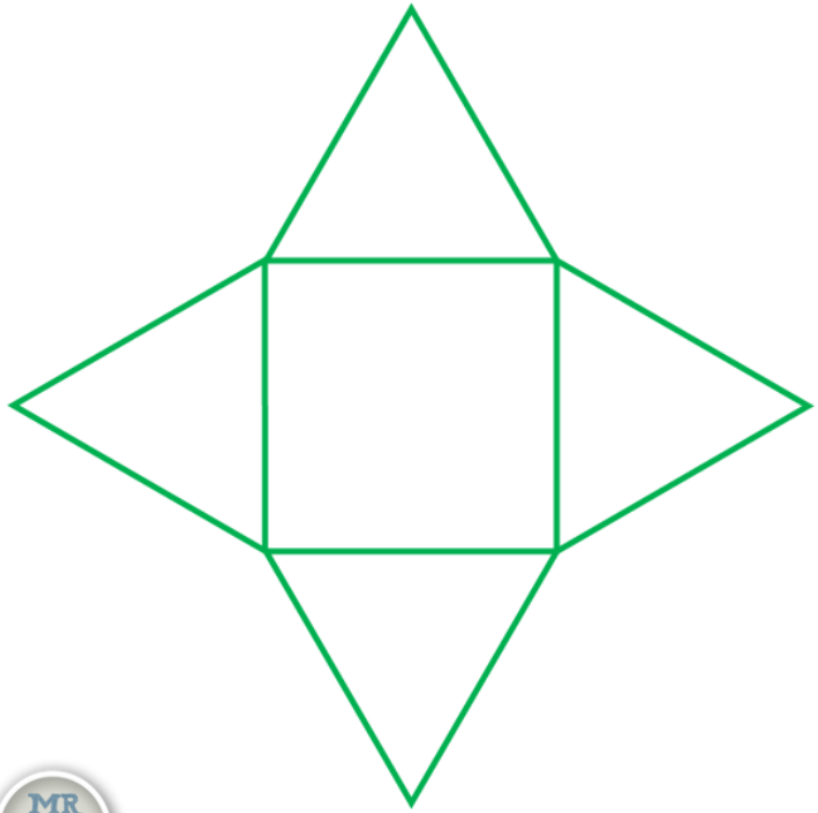
3D Shapes

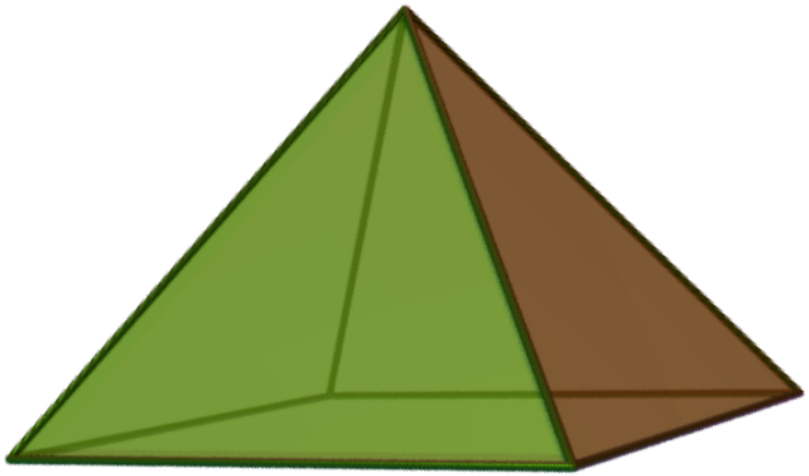
Name the 3D shape made by this net.



3D Shapes

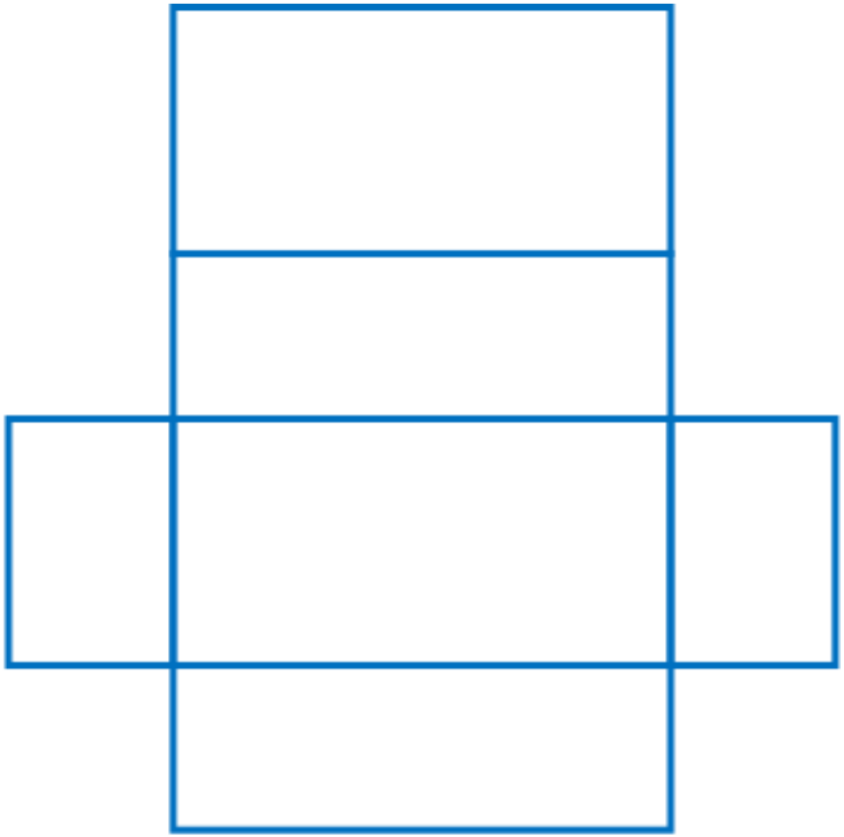
Square-based pyramid





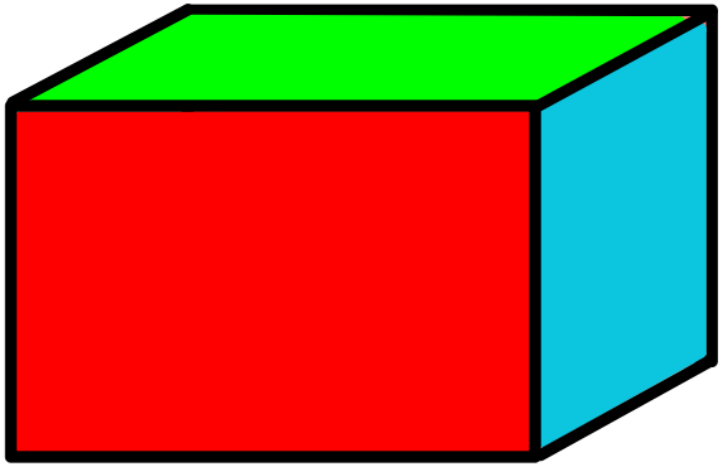
3D Shapes

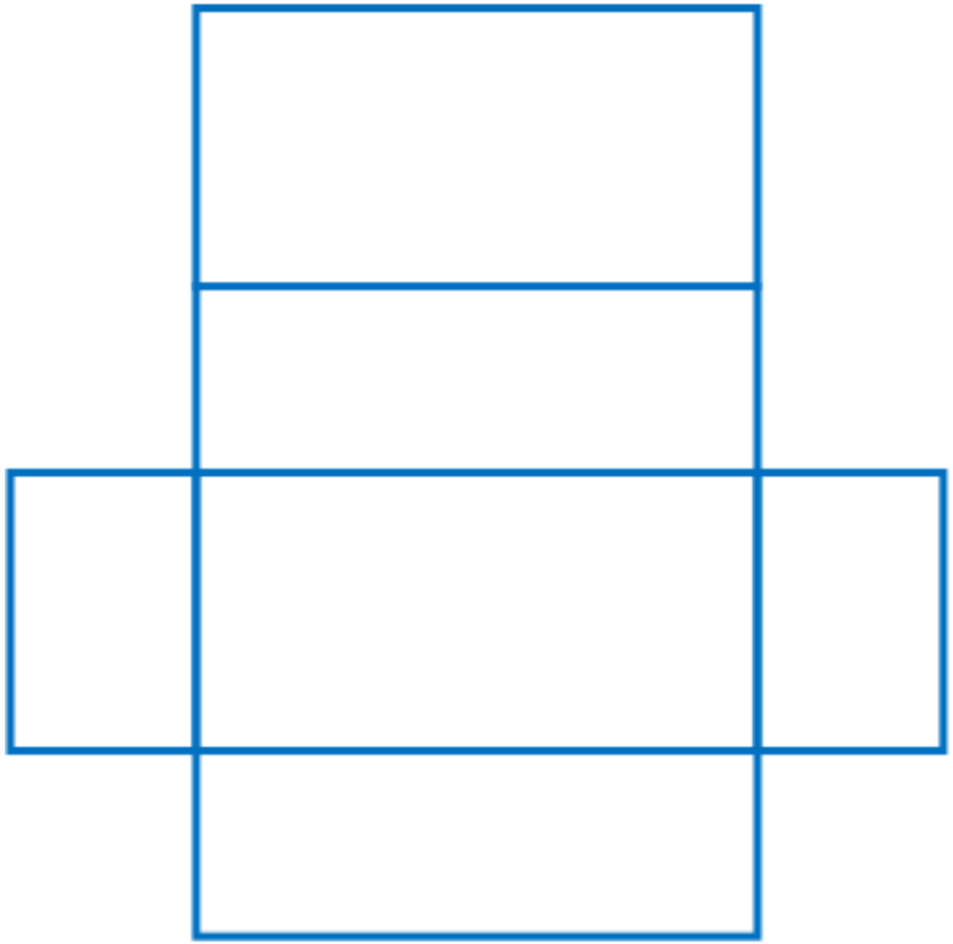
Name the 3D shape made by this net.



3D Shapes

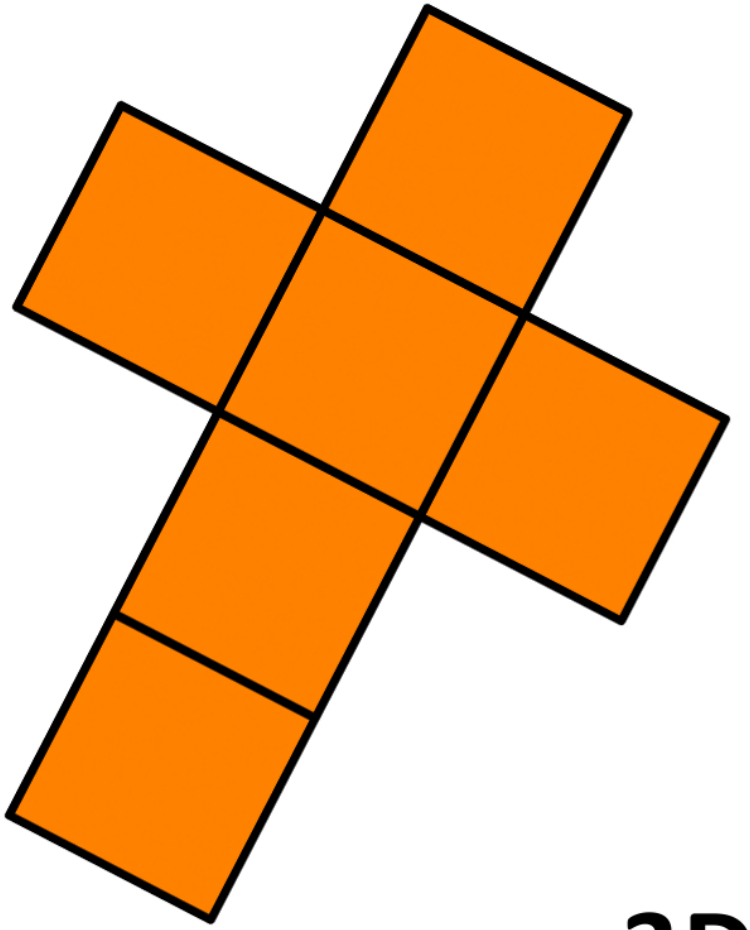
Cuboid





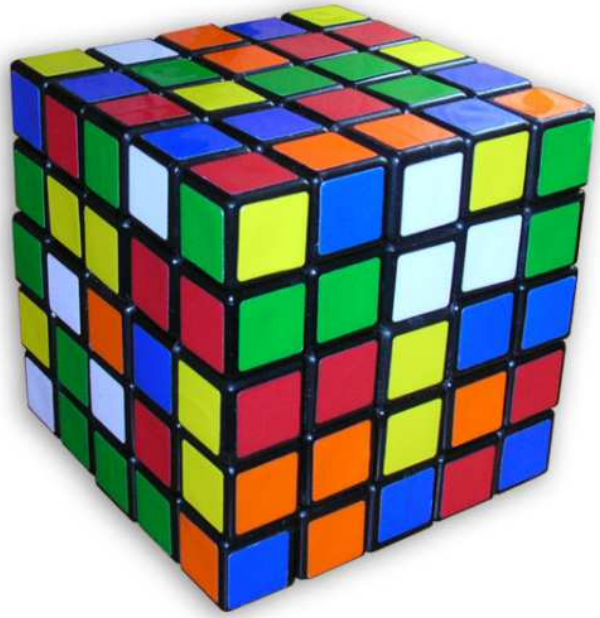
3D Shapes

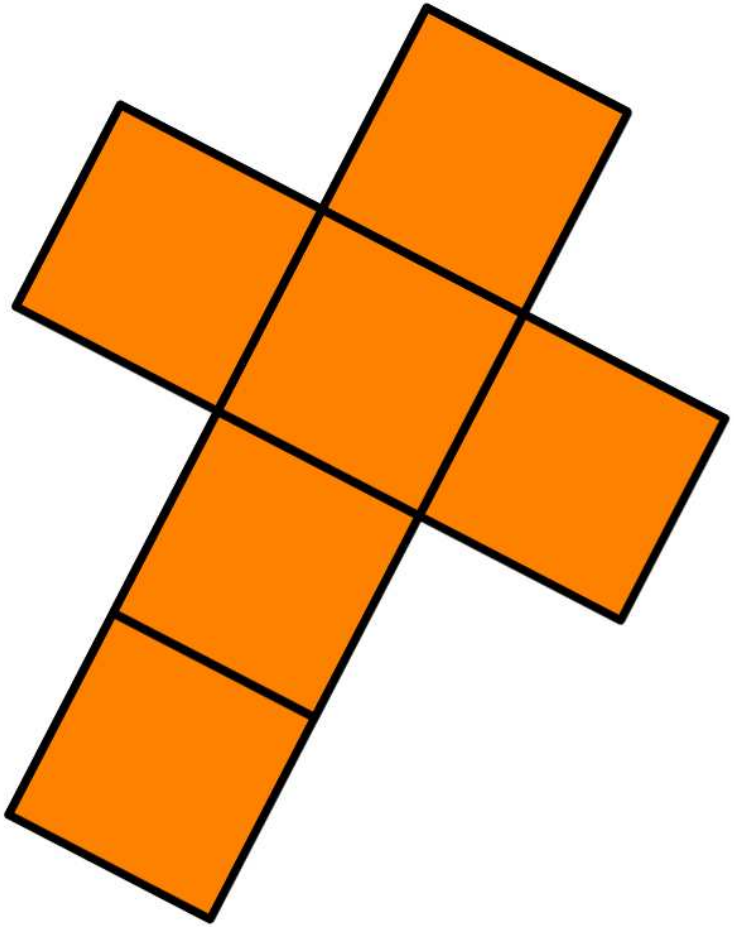
Name the 3D shape made by this net.



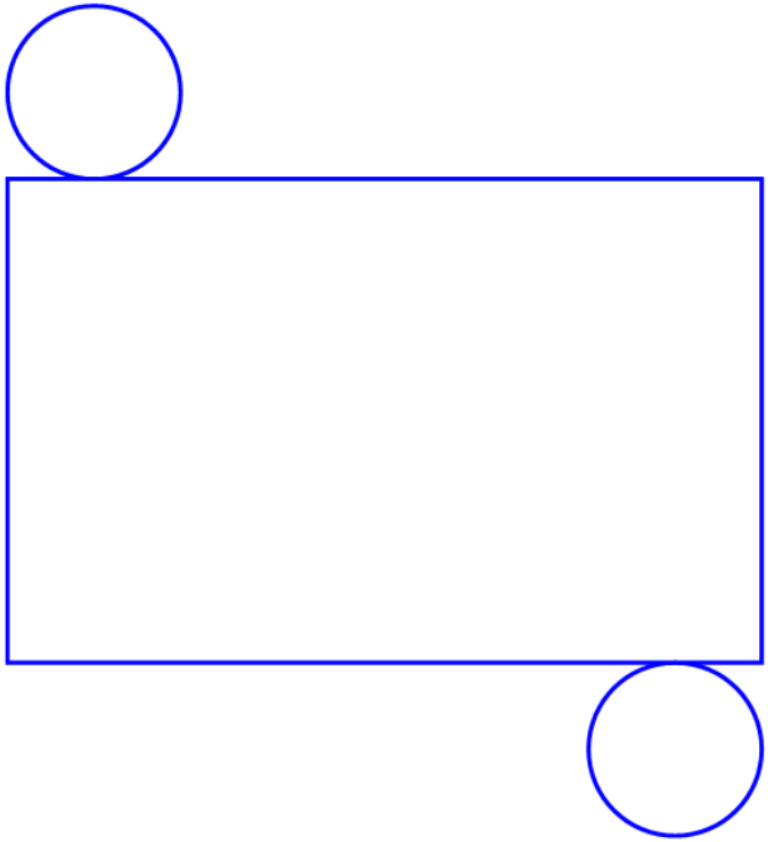
3D Shapes

Cube

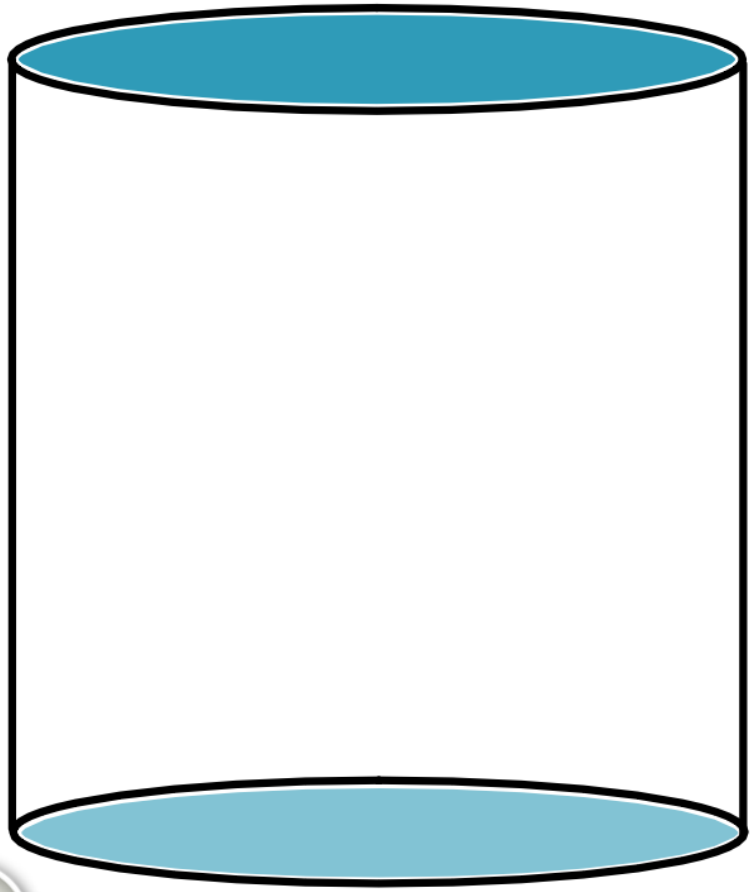


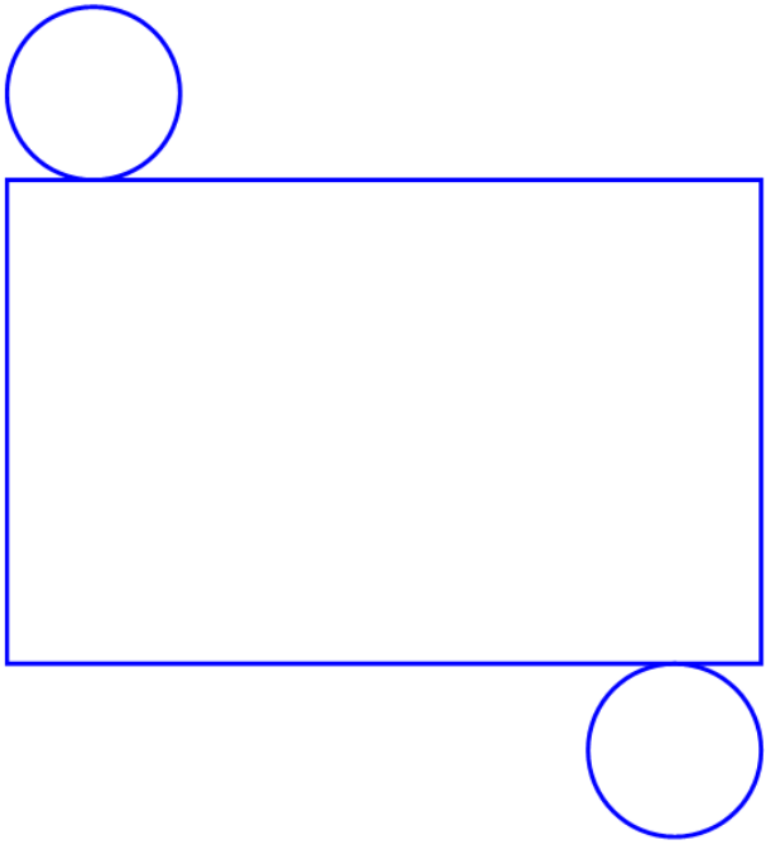


Name the 3D shape made by this net.



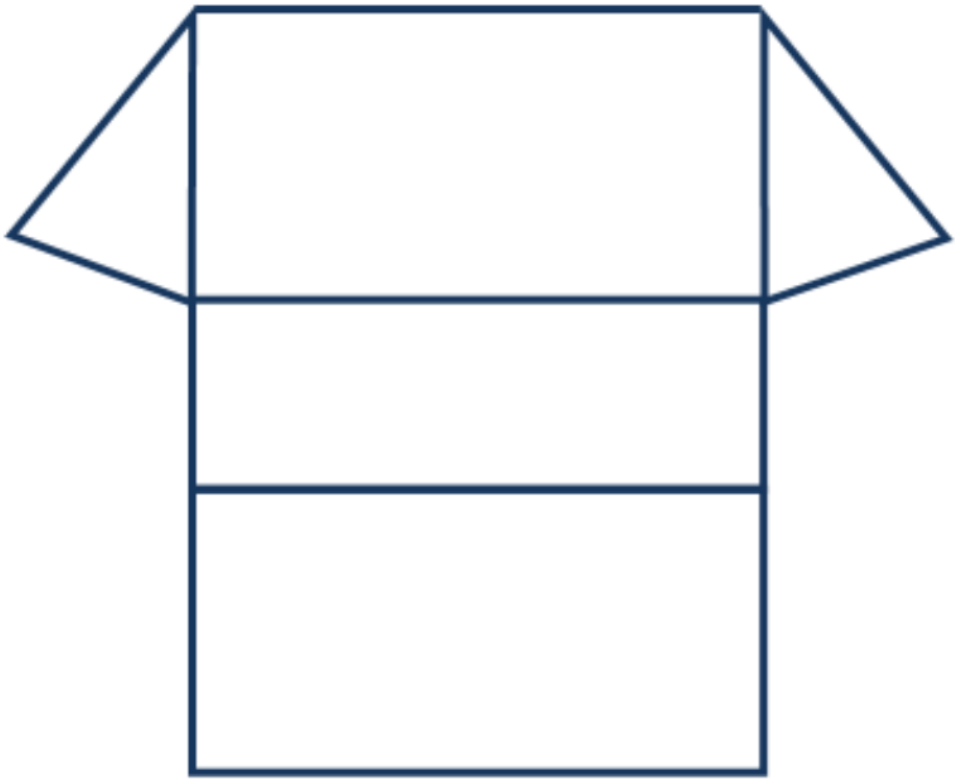
Cylinder



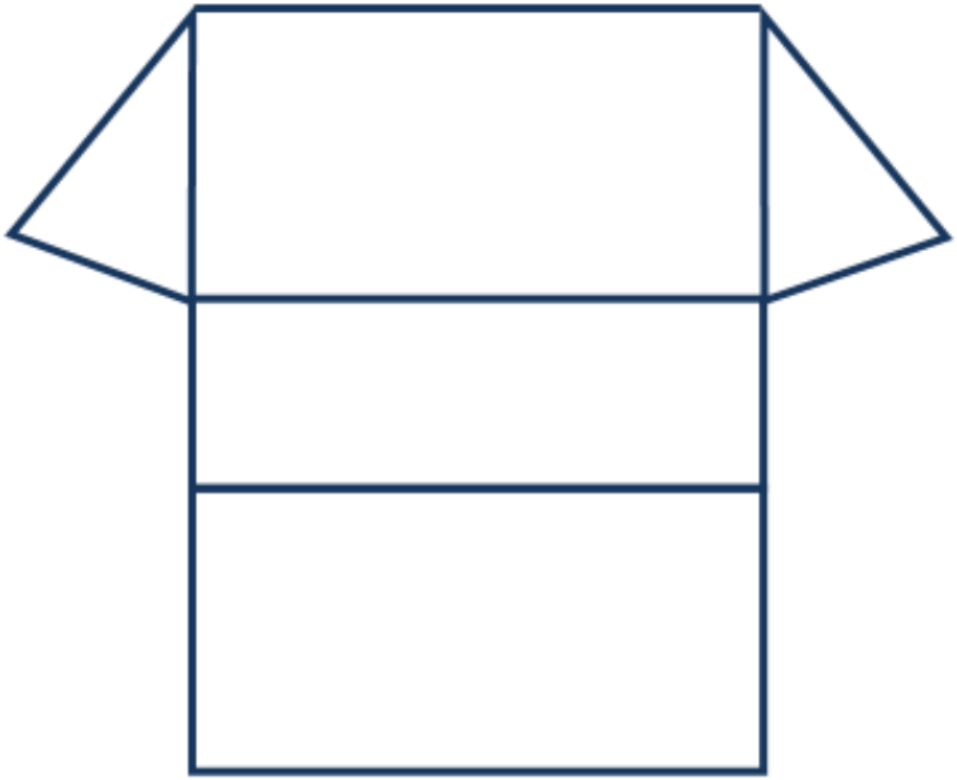


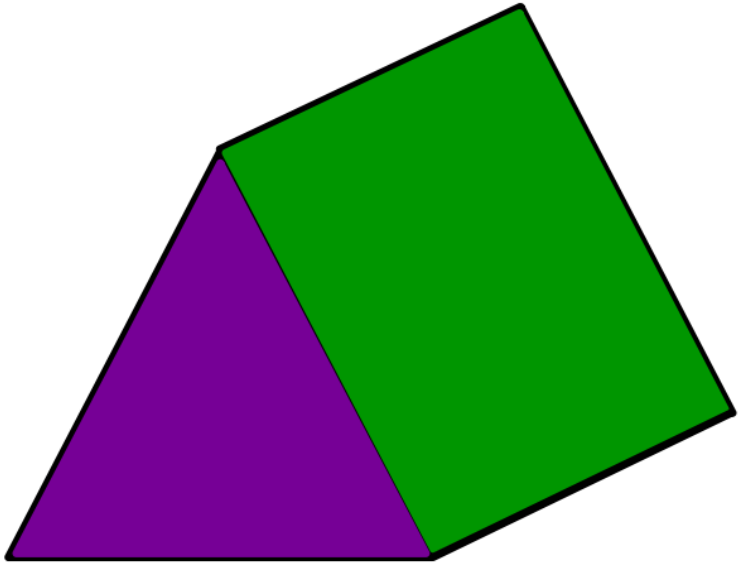
3D Shapes

Name the 3D shape made by this net.



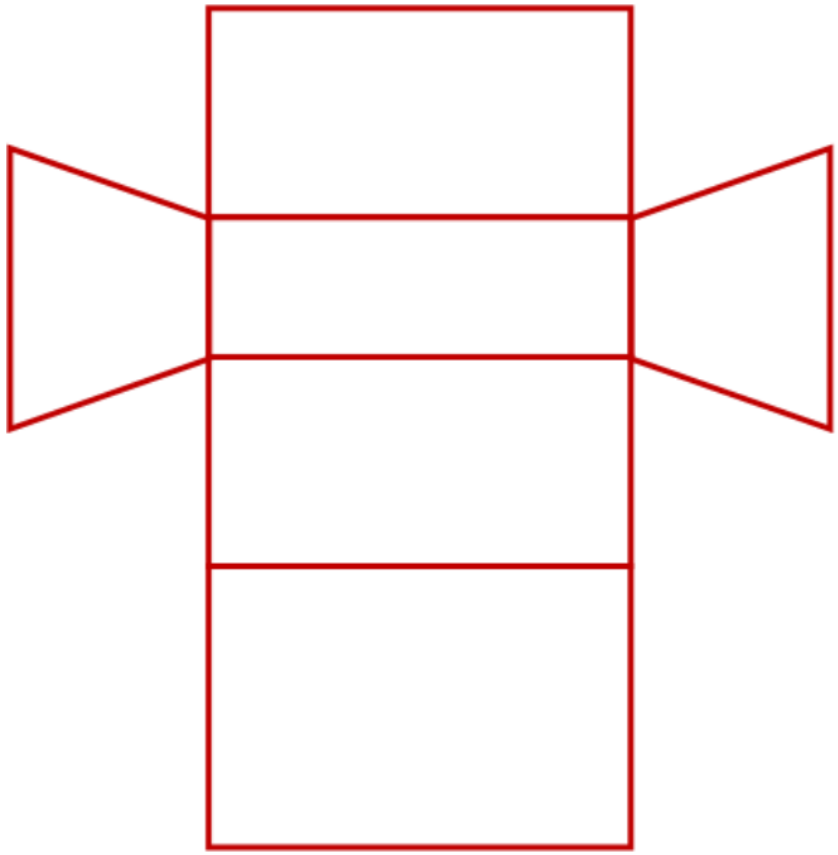
Triangular Prism





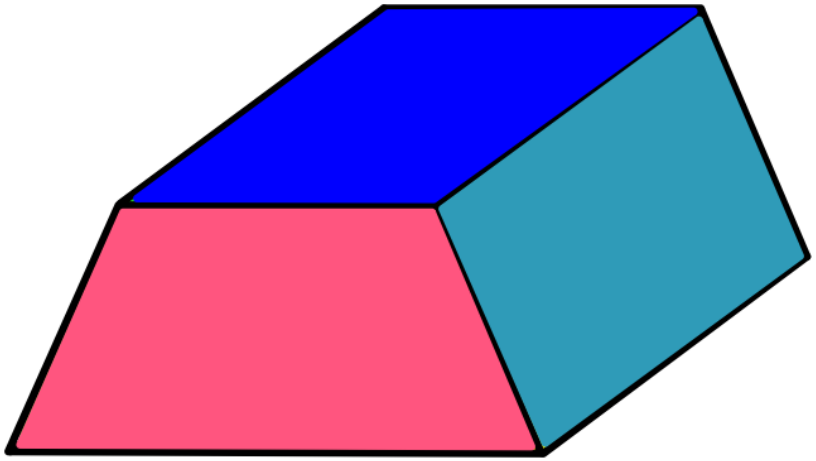
3D Shapes

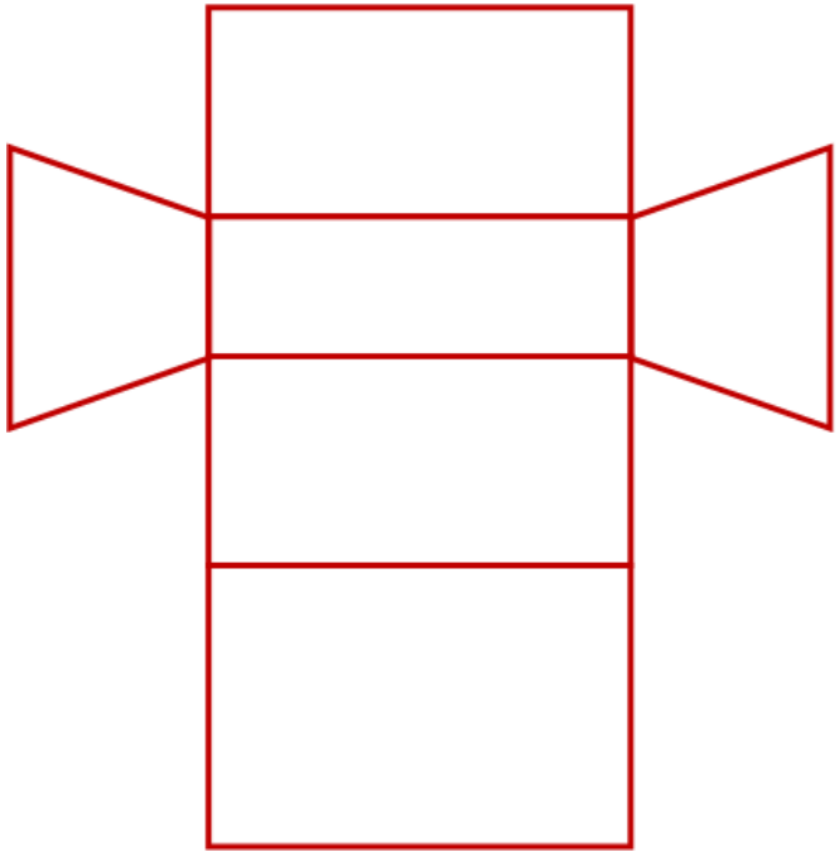
Name the 3D shape made by this net.



3D Shapes

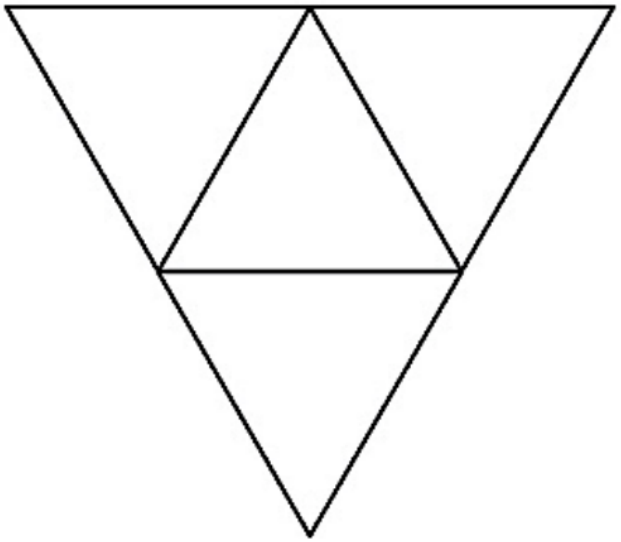
Trapezoidal Prism



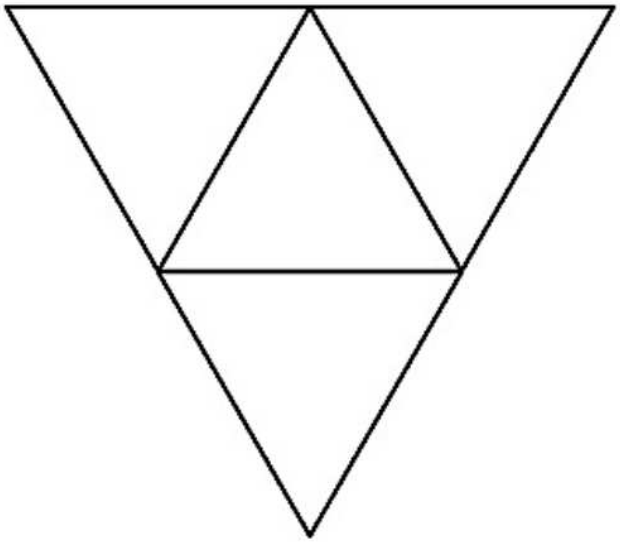


3D Shapes

Name the 3D shape made by this net.



Triangular-based Pyramid



3D Shapes

Surface area

3D Shapes

The total area of all the faces of a 3D object.

3D Shapes

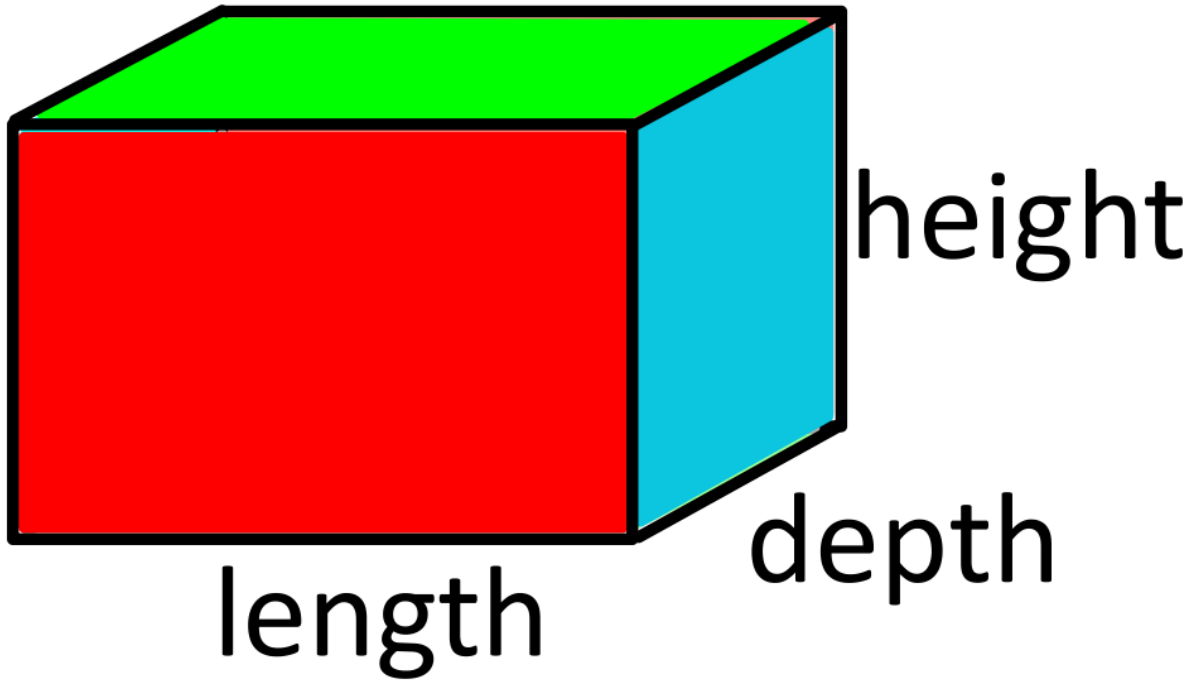
Volume

3D Shapes

Amount of space taken up by a 3D object.

How do you find the volume of a cuboid?

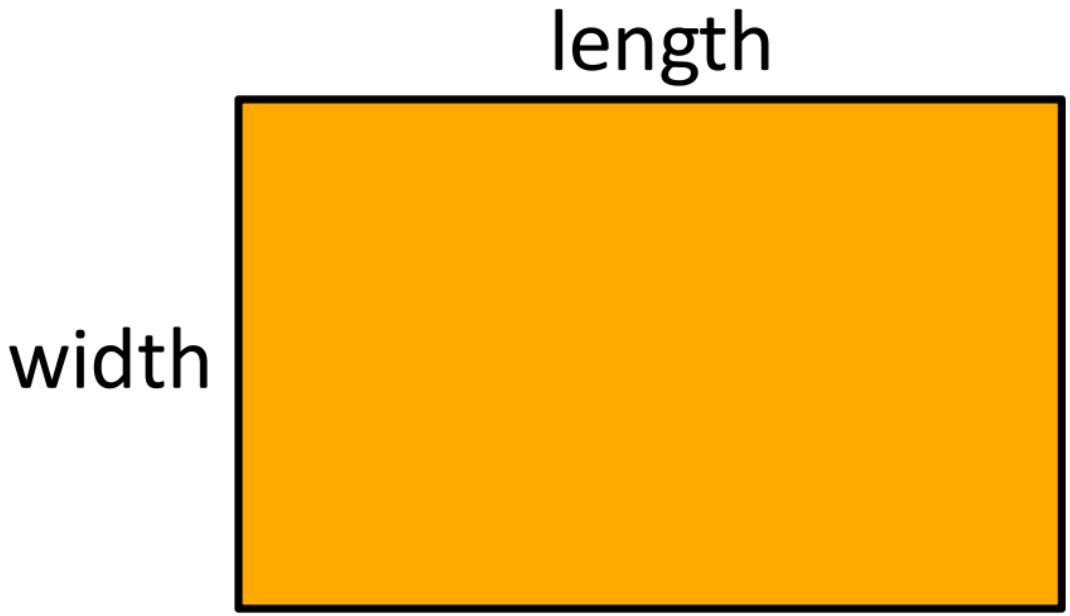
Volume = length × height × depth



How do you find the area of a rectangle?

Area of a rectangle = length × width

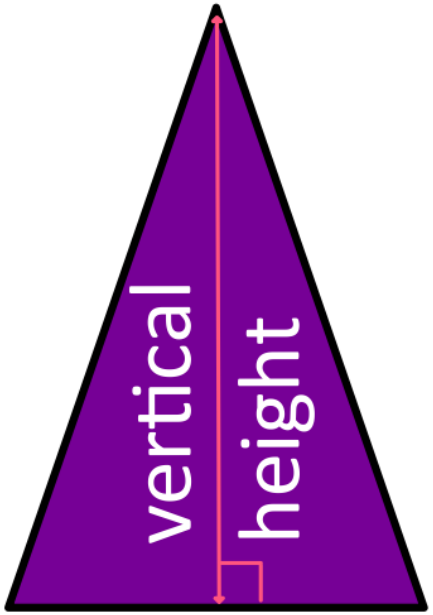
$$A = lw$$

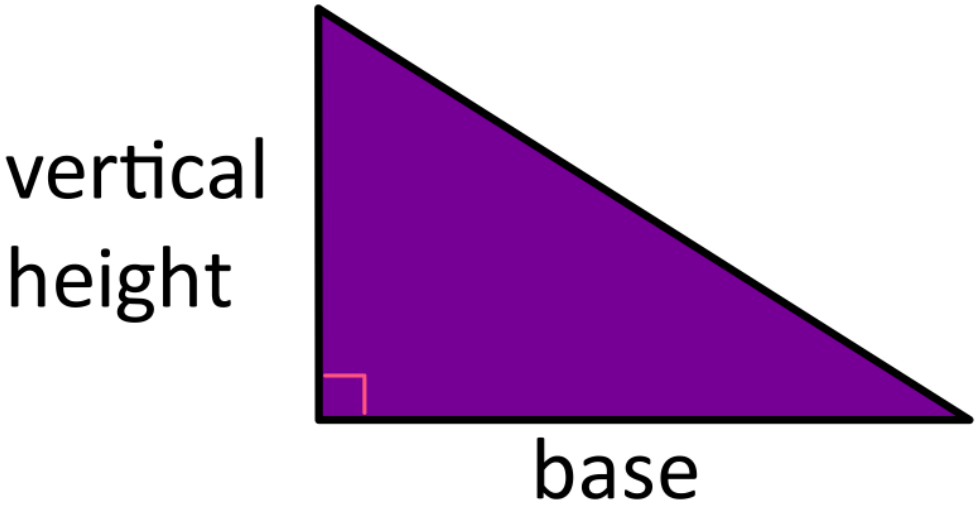


How do you find the area of a triangle?

Area of a triangle = base × vertical height ÷ 2

$$A = \frac{1}{2}bh$$





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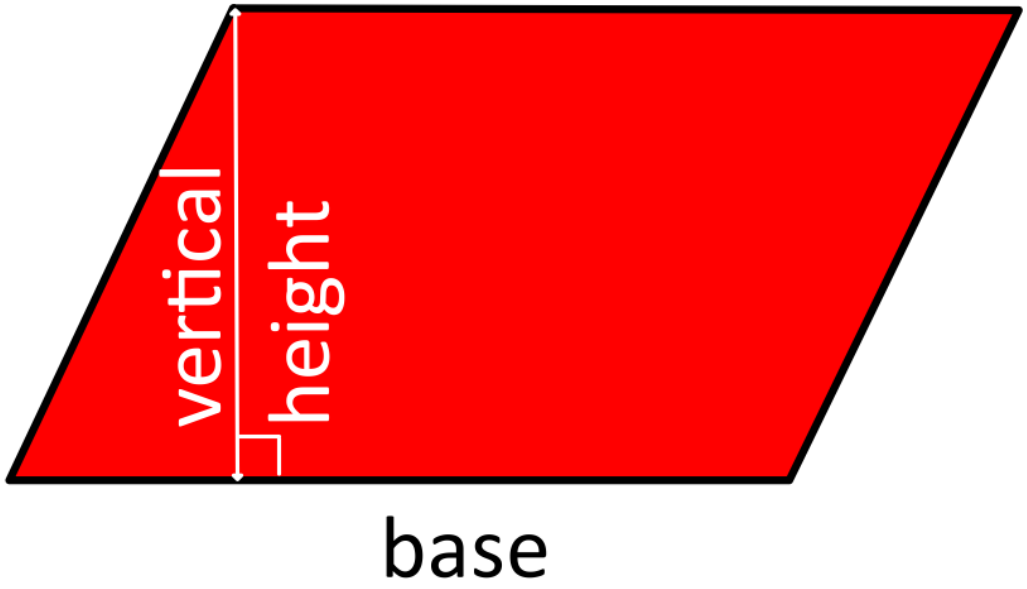
How do you find the area of a parallelogram?

Area of a parallelogram = base × vertical height

$A = bh$



How do you find the area of a trapezium?

Area of a trapezium =
(parallel side 1 + parallel side 2) ÷ 2 × vertical height

$$A = \frac{1}{2}(a+b)h$$