YEAR 7 · GEOMETRY

Classifying Triangles and Quadrilaterals

Use side lengths, equal-side marks, parallel marks and right angles to classify each shape.

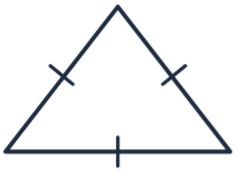
Name _____ **Date** _____

Diagram key / Matching tick marks show equal side lengths. › Matching arrowheads show parallel sides. ∟ A small corner square shows a right angle.

01 Classify the triangles

Use the markings or side lengths shown.

Triangle A — LOOK CLOSELY



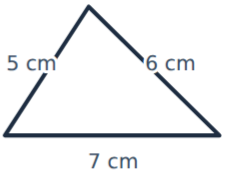
Classify: _____

Triangle B — LOOK CLOSELY



Classify: _____

Triangle C — SIDE LENGTHS



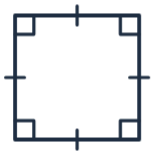
Classify: _____

Complete each side-count clue with a number.

Equilateral: ____ equal sides **Isosceles:** ____ equal sides **Scalene:** ____ equal sides

02 Classify the quadrilaterals

Name each shape and note a property shown.



QUADRILATERAL A

Name: _____

Property: _____



QUADRILATERAL B

Name: _____

Property: _____



QUADRILATERAL C

Name: _____

Property: _____



QUADRILATERAL D

Name: _____

Property: _____

03 Property check

Which quadrilateral matches each description?

1. Four equal sides and four right angles.

   Quadrilateral: _____

2. Four right angles; opposite sides equal, but adjacent sides are not equal.

   Quadrilateral: _____

3. Two pairs of parallel opposite sides, with no right angles.

   Quadrilateral: _____

4. Exactly one pair of parallel sides.

   Quadrilateral: _____

Check that your classifications match the properties shown.