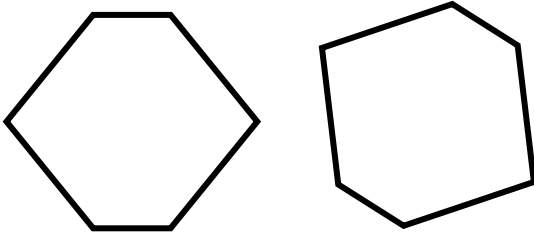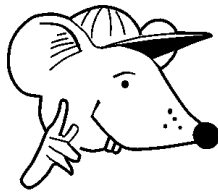Do you know about congruent shapes?
Congruent shapes are shapes that have exactly the same length of sides and the same angles.

These two shapes are **congruent**, even though one is turned round a little. They have the same length sides and the same angles.
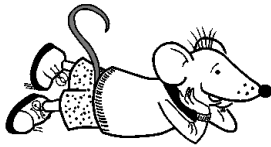
Find **pairs** of shapes that are congruent in this group:
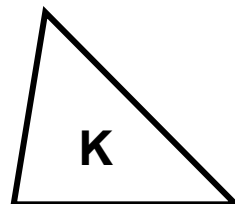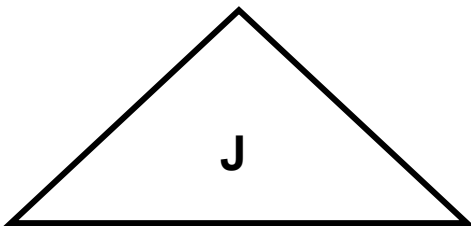(You might find tracing paper helpful.)

A   B   C   F

G   D   E

I   J   K   L

H

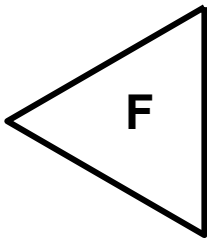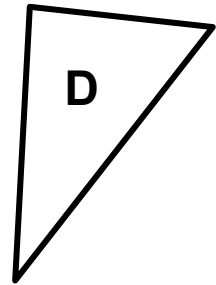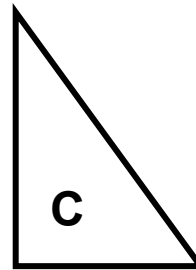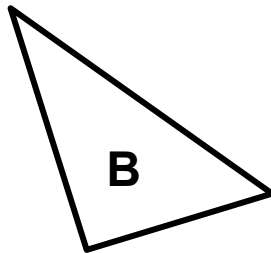M   N   P   Q   R

S

Name:
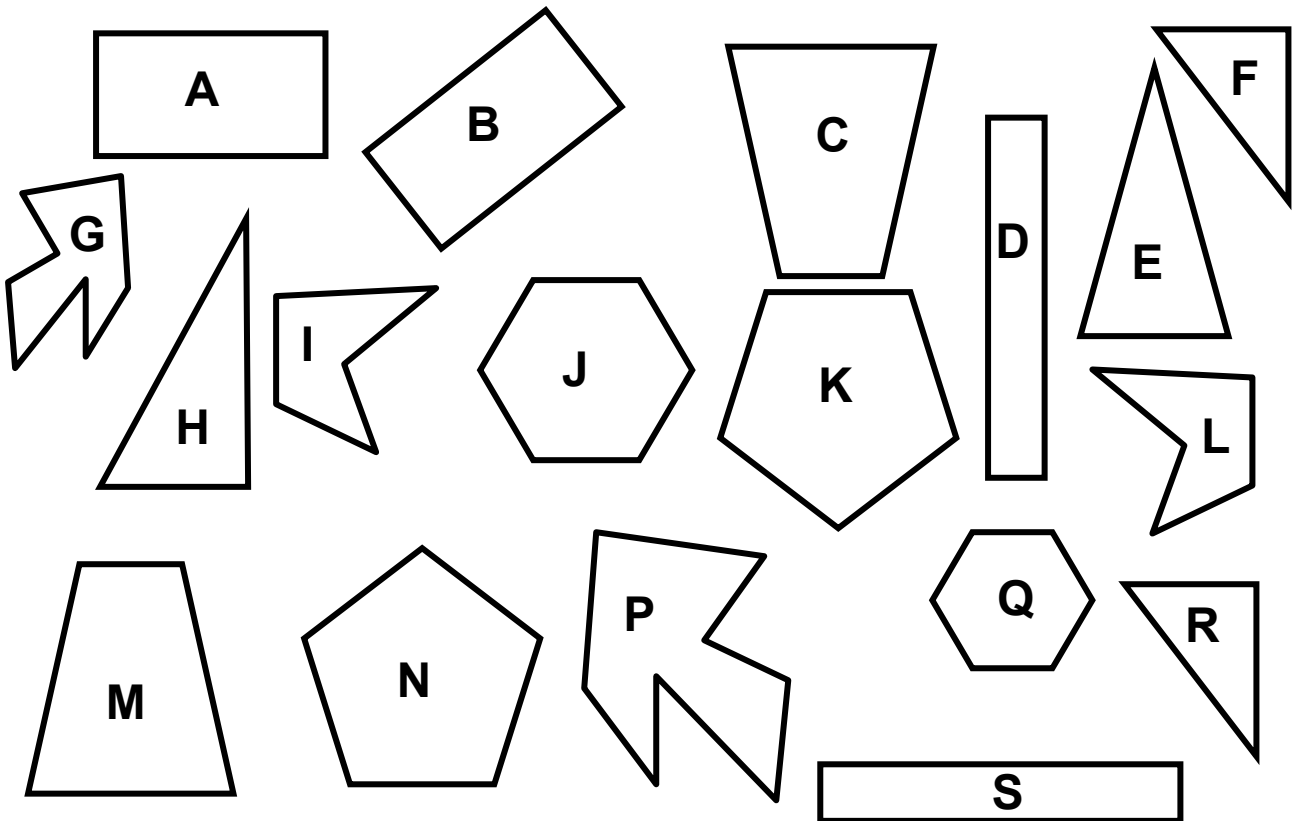
A **scalene** triangle is one which has no sides the same length and no equal angles.

How do you know that, Subby?

I'm a genius!

Which of these triangles are **scalene** triangles? You may need to measure some of the sides.

A

B

C

D

E

F

G

H

I

J

K

Name:
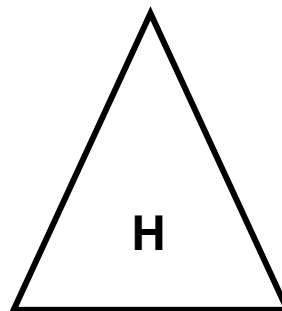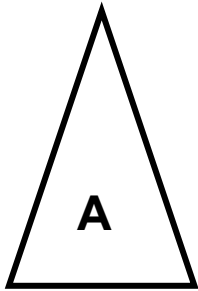
a) Draw some triangles in the different areas of this Venn Diagram. Some have

been done for you. *(If it helps, you could photocopy or draw this page larger.)*

Triangles

Isosceles

Right Angled

Equilateral
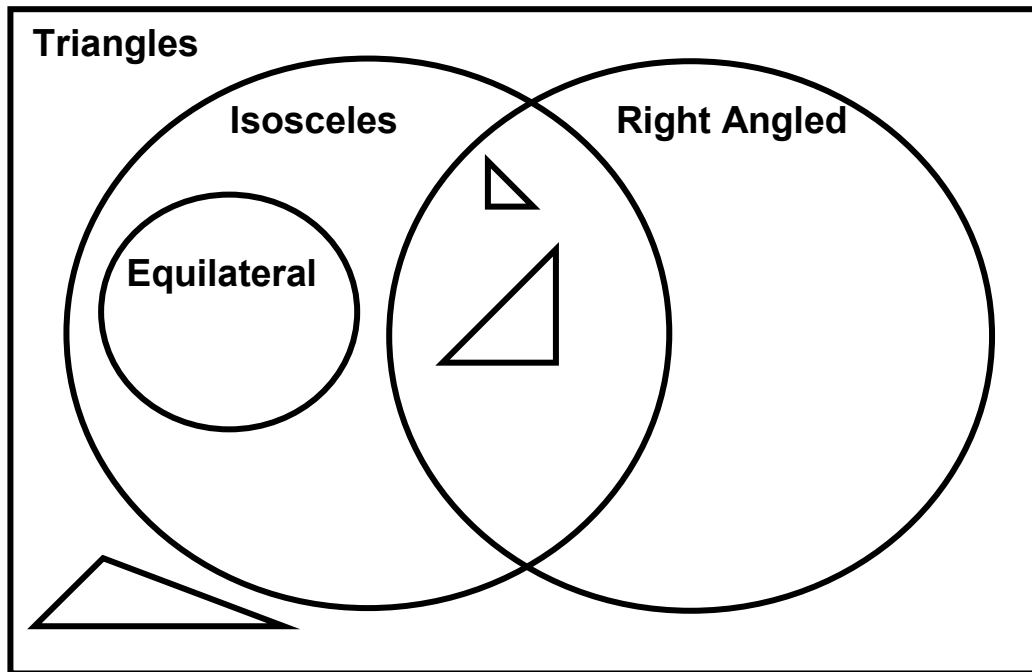
b) Draw some shapes in the different areas of this Venn Diagram.

Polygons

Regular

Quadrilaterals
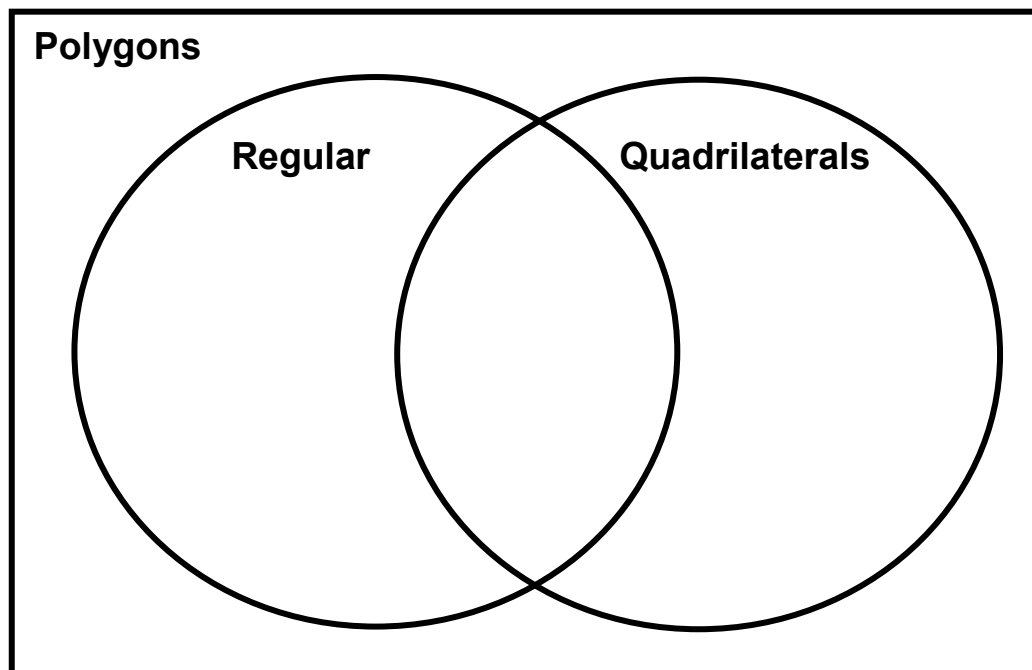
Use this flow chart ('binary tree') to identify these shapes, one at a time.

A **B** **C** **D** **E** **F**

Does the shape have 3 sides?

No

Yes

Are all sides the same length?

Yes

Are all sides the same length?

No

Yes

No

Are two sides the same length?

Yes

No

Yes

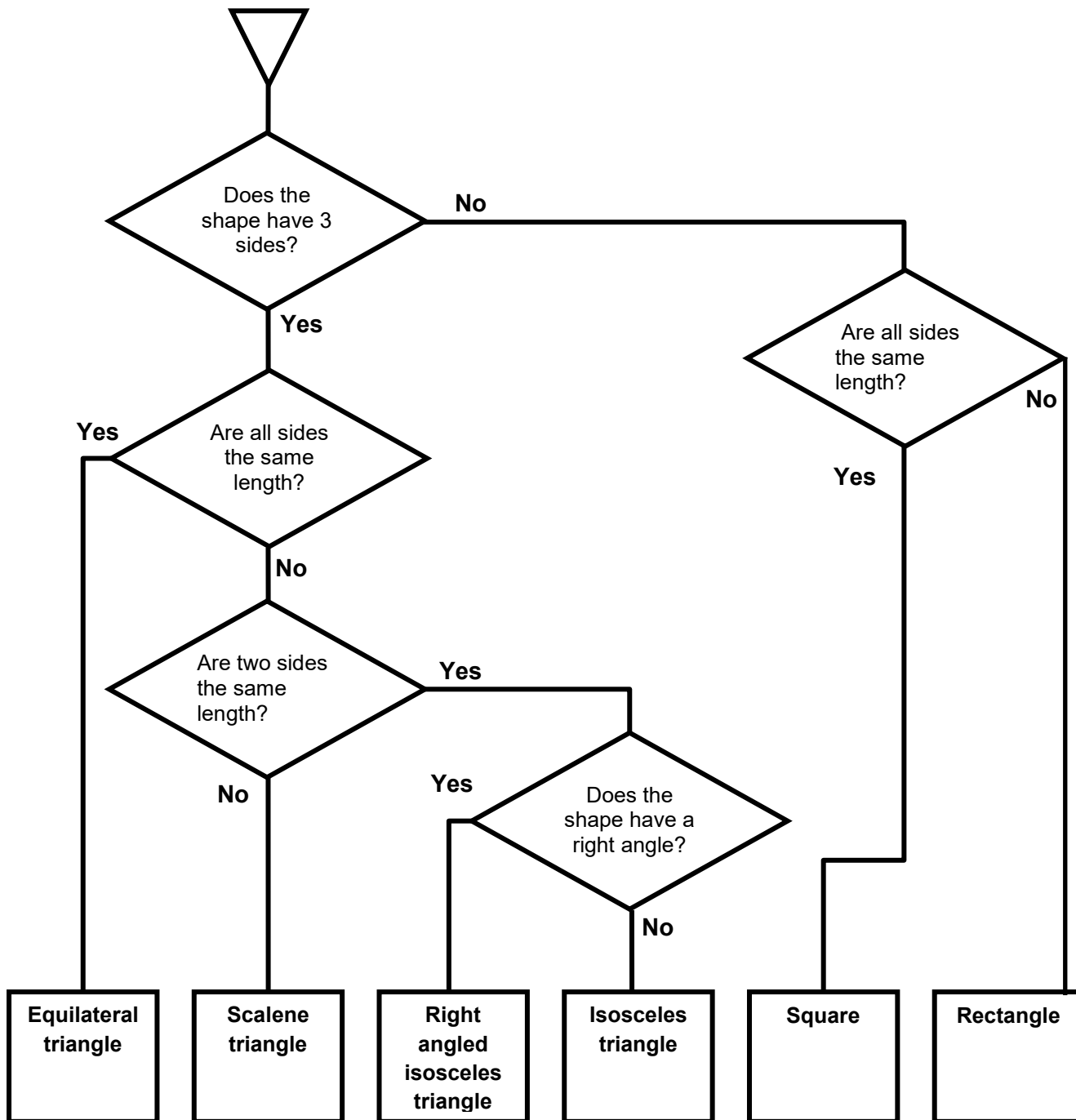Does the shape have a right angle?

No

Equilateral triangle	Scalene triangle	Right angled isosceles triangle	Isosceles triangle	Square	Rectangle

Name:
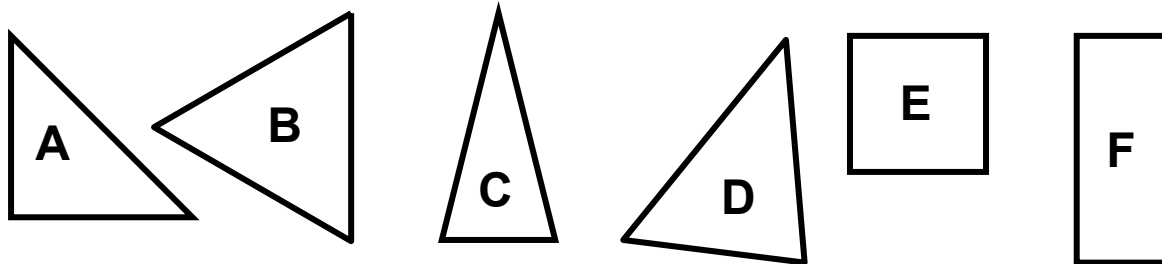
Answers

Page 1

A and **B**
C and **M**
I and **L**
K and **N**
D and **S**
F and **R**

Page 2

B, C, D, E, G and K

Page 4

A is a **right angled isosceles triangle**

B is an **equilateral triangle**

C is an **isosceles triangle**

D is a **scalene triangle**

E is a **square**

F is a **rectangle**

Answers

Name: