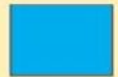Name:_____   Class: _____   Date:_____

Polygons

A polygon is any 2-D shape with straight sides.
The sides and angles of a regular polygon are all equal.
These are the names of some polygons.

triangle   3 sides   heptagon   7 sides

quadrilateral   4 sides   octagon   8 sides

pentagon   5 sides   nonagon   9 sides

hexagon   6 sides   decagon   10 sides

On a regular shape all sides are the same length. On an irregular shape the sides are different lengths.
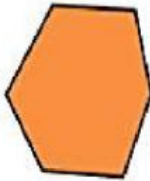
regular pentagon

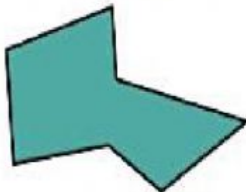**1** Name each of these shapes. Write whether they are regular or irregular shapes.
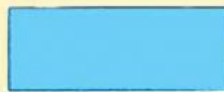
a)

b)

c)

d)

e)

f)

g)

h)

i)

Quadrilaterals

Quadrilaterals are four-sided shapes.

square
4 equal sides
4 right angles

rectangle
2 pairs of equal sides
4 right angles

rhombus
4 equal sides
Opposite sides parallel
Opposite angles equal

parallelogram
Opposite sides equal
and parallel
Opposite angles equal
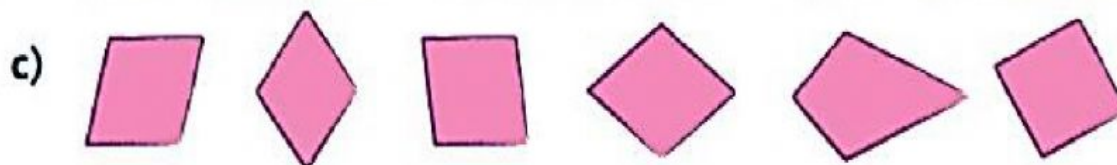
kite
Two pairs of
adjacent sides
equal

trapezium
One pair of parallel sides
of different lengths

A square is a special rectangle and a rectangle is a special parallelogram.
So a square is actually a type of parallelogram.

1 Which is the odd shape out in each set? Name the odd one out.

a)

b)

c)

d)