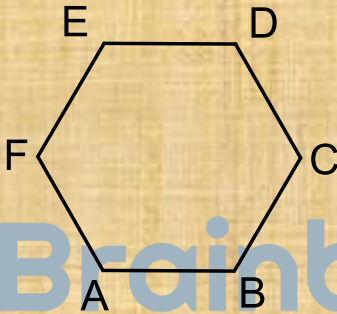


## CHAPTER 03

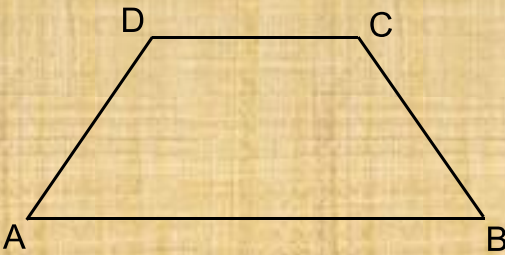
# Understanding Quadrilaterals

**Convex polygon:**

If all the (interior) angles of a polygon are less than  $180^\circ$ , it is called a 'Convex polygon'.

**Examples:**

Here, ABCDEF is a convex polygon. In fact, it is a convex hexagon.



Here, ABCD is a convex polygon. In fact, it is a convex quadrilateral.

(OR)

In other words, a polygon is a convex polygon if the line segment joining any two points inside it lies completely inside the polygon.

Ex. Signboards (Triangle and Octagon signboards)

