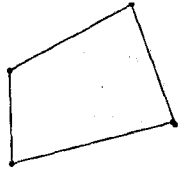
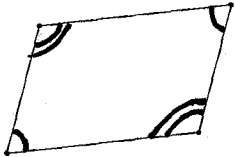



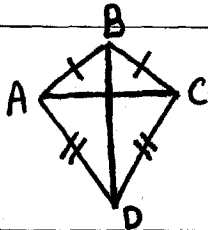
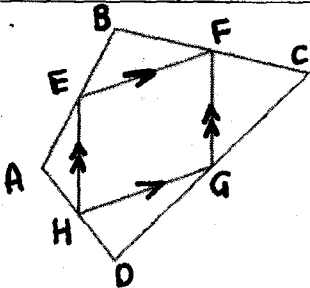


Date:

What is a quadrilateral? A quadrilateral is a four-sided closed (all sides meet at a vertex, two at a time) shape.

Type of Quadrilateral	Diagram	Description	Property
Any quadrilateral		4-sided shape, two diagonals can be drawn.	The sum of interior angles is $360^\circ$
Parallelogram		A quadrilateral with two pairs of opposite sides being parallel (within a pair)	Opposite sides are parallel and equal. Opposite angles are equal. Diagonals bisect each other
Rectangle		A parallelogram with all angles being $90^\circ$ .	Diagonals are equal.
Square		A rectangle with all equal sides.	All of the above. Diagonals are perpendicular.
Rhombus		a parallelogram with 4 equal sides.	All properties of a parallelogram. Diagonals are perpendicular.
Kite		A polygon with two pairs of adjacent equal sides.	$AB = BC$ $AD = DC$ Diagonals are perpendicular.
Any quadrilateral		$EF \parallel HG$ $HE \parallel GF$ if E, F, G, H are midpoints	The midsegments of any quadrilateral form a parallelogram.