UNDERSTANDING   HOMEWORK #4
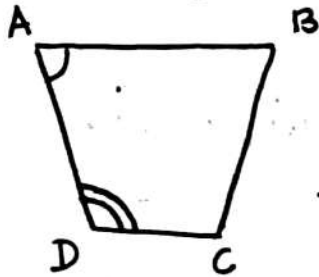
QUADRILATERALS

1) A diagonal and a side of a Rhombus are of equal length. Find the measures of the angles of the Rhombus.

2) ABCD is a rectangle and its diagonals meet at O. Find x, if $OA = 2x$ and $OD = 6x - 8$. Also find length of BD.

3) Find the value of x in the trapezium ABCD given :

$\angle A = x - 20°$

$\angle D = x + 40°$

4) In the given parallelogram PQRS, $\angle PQR = 120°$, RS is extended to point T such that $\angle TPS = 50°$. Find $\angle STP$.