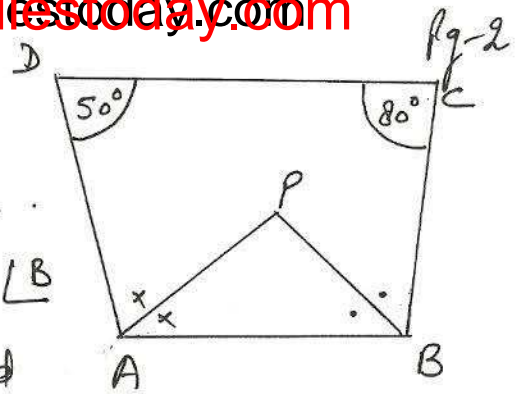


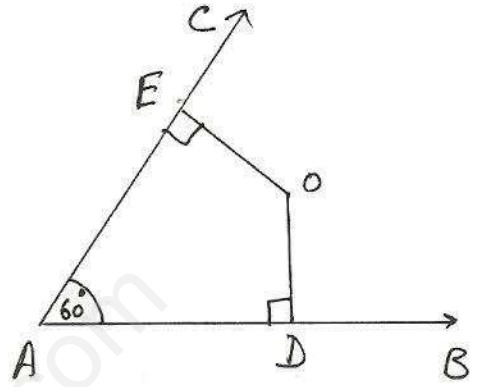
VIII - Mathematics Assignment No-01 - Understanding Quadrilateral

- Q1. Two angles of a triangle are 60° , 80° . Find the third angle.
- Q2. Three angles of a quadrilateral are 40° , 70° and 105° . Find the fourth angle.
- Q3. The angles of a quadrilateral are in the ratio $1:2:3:4$. Find the smallest and the largest angle.
- Q4. The measure of two adjacent angles of a quadrilateral are 120° and 40° . If the other two angles are equal, find their measures.
- Q5. A quadrilateral has all its four angles equal. Find the measure of each angle.
- Q6. The sum of two angles of a quadrilateral is 210° . If the other two angles are in the ratio $1:2$. Find the angles.

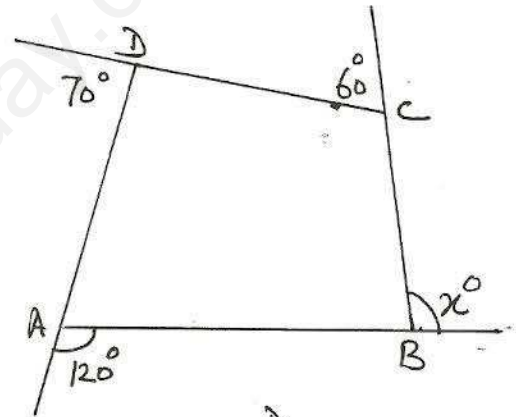
Q7. In the adjoining figure, ABCD is a quadrilateral. The bisectors of $\angle A$ and $\angle B$ meet at P. If $\angle C = 80^\circ$ and $\angle D = 50^\circ$. Find $\angle APB$.



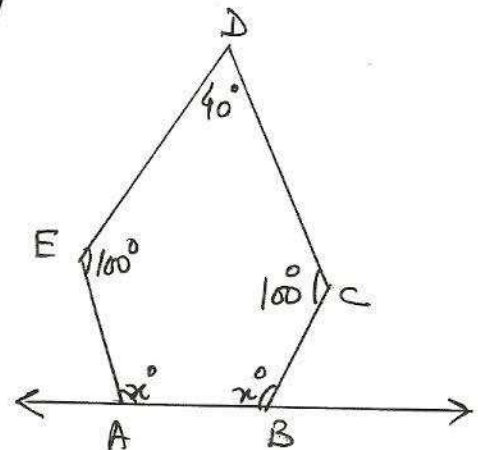
Q8. In the adjoining figure, $\angle A = 60^\circ$, $OE \perp AC$ and $OD \perp AB$. Find $\angle DOE$.



Q9. In the adjoining figure find x .



Q10. In the adjoining figure find x .



ANSWERS:

(Q1) 40°	(Q4) 100° each	(Q8) 120°
(Q2) 145°	(Q5) 90° each	(Q9) 110°
(Q3) Smallest = 36° Largest = 144°	(Q6) $50^\circ, 150^\circ$	(Q10) 150°
	(Q7) 65°	