VIII – Mathematics Assignment No.-5* Understanding Quadrilateral.

Q1. In the rectangle ABCD, the diagonals intersect at X and $\angle AXB = 124^\circ$.
Find the $\angle ACD$ and $\angle ADB$.

Q2. In the rectangle ABCD, $\angle BAC = 23^\circ$,
Find $\angle ADB$ and the obtuse angle between the diagonals.

Q3. In the rectangle ABCD, $\angle CBD = 63^\circ$
Find $\angle BAC$ and acute angle between the diagonals.

Q4. In the rhombus ABCD, $\angle ABC = 118^\circ$
Find $\angle ADC$

Q5. In the rhombus ABCD, $\angle BDC = 27^\circ$
Find $\angle BCD$

Q6. In the rhombus ABCD, $\angle ABD = 35^\circ$
Find the Exterior angle at C

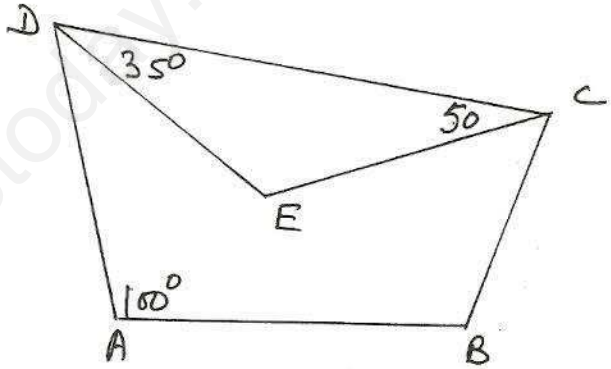
Cont-Pg-2 →

Q7. ABCD and ABPQ are parallelograms on opposite sides of AB. If $\angle D = 65^\circ$, $\angle Q = 48^\circ$ Find $\angle CBP$.

Q8. In the parallelogram ABCD, $\angle ABD = 43^\circ$ and $\angle ADB = 70^\circ$. Find the Exterior angle at B.

Q9. Find the angles of a parallelogram in which one angle is double the other.

Q10. In the adjoining figure, DE, CE are the bisectors of $\angle D$ and $\angle C$ respectively. Find $\angle B$.



ANSWERS:-

(Q1) 28°, 62°	(Q5) 126°	(Q9) 60°, 120°
(Q2) 67°, 134°	(Q6) 70°	60°, 120°
(Q3) 27°, 54°	(Q7) 113°	(Q10) 90°
(Q4) 31°	(Q8) 67°	