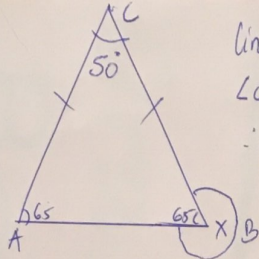


①



line CB = CA. Hence, $\angle CAB = \angle CBA$.

$$\angle C + \angle A + \angle B = 180^\circ$$

$$\therefore 50 + \angle A + \angle B = 180 \quad \text{Assume } \angle A = \angle B = y$$

$$50 + y + y = 180$$

$$50 + 2y = 180$$

$$2y = 130$$

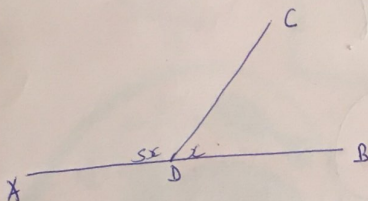
$$y = 65^\circ$$

Angle at a point = 360°

$$\therefore 65^\circ + x = 360^\circ$$

$$x = 295^\circ$$

②



$$\angle ADC = 5 \times \angle CDB$$

$$\text{let } \angle CDB = x$$

$$\angle ADC = 5x$$

$$5x + x = 180^\circ$$

$$6x = 180^\circ$$

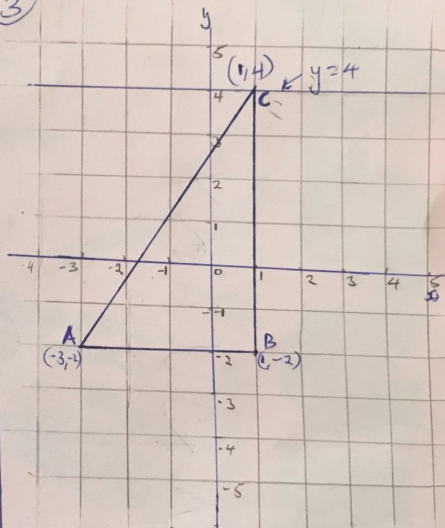
$$x = 30^\circ$$

$$\therefore \angle ADC = 5 \times 30$$

$$= 150$$

$$= 150^\circ$$

③



$$A = (-3, -2)$$

$$B = (1, -2)$$

$$C = (1, 4)$$