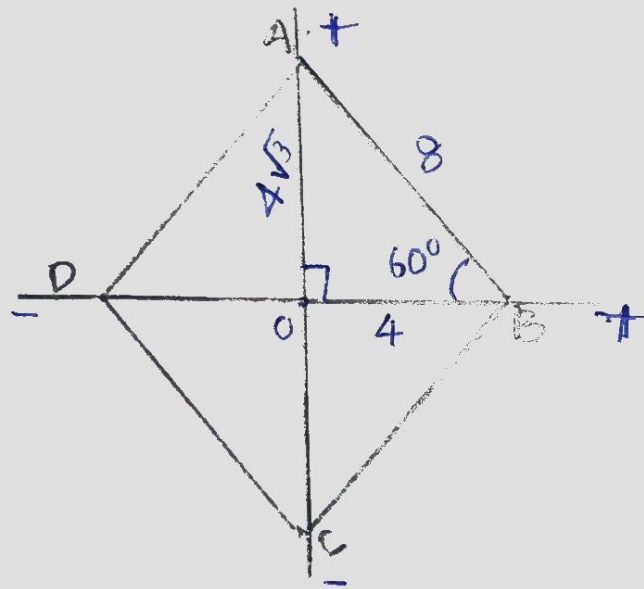


One side of a rhombus is 8 cm and angle made by the side with  $x$  axis is  $60^\circ$ . Taking the unit as 1 cm find the co-ordinates of all its vertices



$$\text{Sides} = 1 : \sqrt{3} : 2$$

$$= 30 : 60 : 90$$

$$= 2x = 8 \text{ cm}$$

$$1x = 4 \text{ cm}$$

$$\sqrt{3}x = 4\sqrt{3} = 6.8 \text{ cm}$$

$$A = 0, 6.8$$

$$B = 0, 4$$

$$C = 0, -6.8$$

$$D = 0, -4$$

---