

3.4.5

EE24BTECH11030 - J.KEDARANANDA

Question:

Construct a rhombus whose side is of length 3.4 cm and one of its angles is 45° .

Solution:

Variable	Parameter	Value
<i>Side</i>	a	3.4 cm
<i>Angle (1)</i>	$\angle A$	45°
<i>Angle (2)</i>	$\angle B$	

TABLE 0

$$\angle A + \angle B = 180^\circ \quad (0.1)$$

$$45^\circ + B = 180^\circ \quad (0.2)$$

$$\angle B = 180^\circ - 45^\circ \quad (0.3)$$

$$\angle B = 135^\circ \quad (0.4)$$

Thus, the second angle in the rhombus is $\angle B = 135^\circ$.

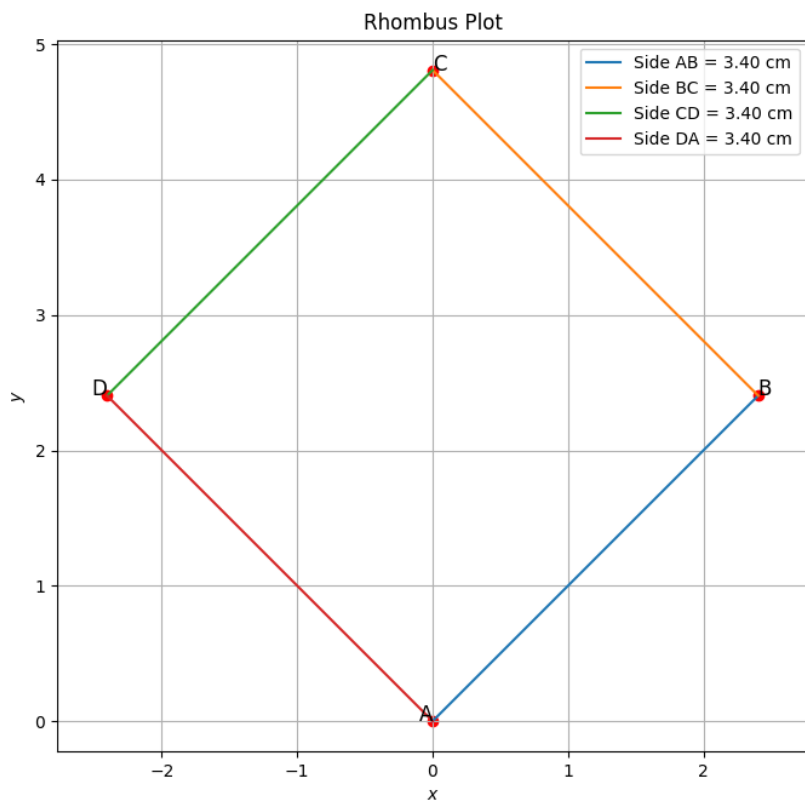


Fig. 0.1