AI25BTECH11037-stalin

Question:

Construct a rhombus whose diagonals are 4 cm and 6 cm in lengths.

Solution:

Let us solve the given equation theoretically and then verify the solution computationally According to the question,

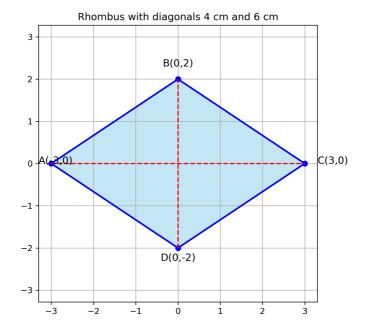
Given D_1 =4 cm D_2 =6 cm

Let centre be O

$$\mathbf{O} = \begin{pmatrix} 0 \\ 0 \end{pmatrix} \tag{0.1}$$

points be

$$\mathbf{A} = \begin{pmatrix} 2 \\ 0 \end{pmatrix} \mathbf{B} = \begin{pmatrix} 3 \\ 0 \end{pmatrix} \mathbf{C} = \begin{pmatrix} -2 \\ 0 \end{pmatrix} \mathbf{D} = \begin{pmatrix} -3 \\ 0 \end{pmatrix}$$
 (0.2)



1