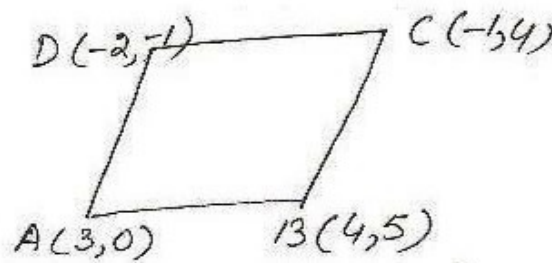


(10)



$$AC = \sqrt{(-1-3)^2 + (4-0)^2}$$

$$= \sqrt{32}$$

$$BD = \sqrt{(-2-4)^2 + (-1-5)^2}$$

$$= \sqrt{36+36}$$

$$= \sqrt{72}$$

$$\begin{aligned} \text{area of rhombus} &= \frac{1}{2} \times AC \times BD \\ &= \frac{1}{2} \times \sqrt{32} \times \sqrt{72} \\ &= \frac{1}{2} \sqrt{2^2 \times 2^2 \times 2 \times 2 \times 2^2 \times 3^2} \\ &= \frac{1}{2} \times 2 \times 2 \times 2 \times 2 \times 3 \\ &= 24 \text{ sq. units} \end{aligned}$$

or

$$\begin{aligned} \text{area of rhombus} &= \frac{1}{2} \begin{vmatrix} 3 & 0 \\ 4 & 5 \\ -1 & 4 \\ -2 & -1 \\ 3 & 0 \end{vmatrix} \\ &= \frac{1}{2} | 15 - 0 + 16 + 5 + 1 + 8 + 0 + 3 | \\ &= \frac{1}{2} | 48 | \\ &= \frac{1}{2} \times 48 \\ &= 24 \text{ sq. units} \end{aligned}$$