

$$2(0,1) (0,0) (2,1) (1,3) (0,2) (-1,1)$$

$$\frac{1}{2} \sum_{i=1}^5 x_i y_{i+1} - x_{i+1} y_i = \frac{1}{2} [(x_1 y_2 - x_2 y_1) + (x_2 y_3 - x_3 y_2) + (x_3 y_4 - x_4 y_3) + (x_4 y_5 - x_5 y_4) + (x_5 y_1 - x_1 y_5)]$$

$$= \frac{1}{2} [(0(1) - 2(0)) + (2(3) - 1(0)) + (1(2) - 3(0)) + (0(-1) - (2)(-1)) + 0]$$

$$= \frac{1}{2} [5 + 2 + 2] = \boxed{\frac{9}{2} = \text{Area}}$$