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# Assignment 1

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## 1 Problem

(Q:9(ii) Find the area of Quadrilateral when four points are given

$$x1 = (2) x2 = (3) x3 = (-3) x4 = (-2) y1 = (1) y2 = (5) y3 = (4) y4 = (-2)$$

$$(1.0.1)$$

### 2 Solution

Area of Quadrilateral=

$$Area = 0.5 * (x1 * y2 + x2 * y3 + x3 * y4 + x4 * y1) - (y1 * x2 + y2 * x3 + y3 * x4 + y4 * x1)$$

$$(2.0.1)$$

We get:

$$Area = 25 squnits (2.0.2)$$