

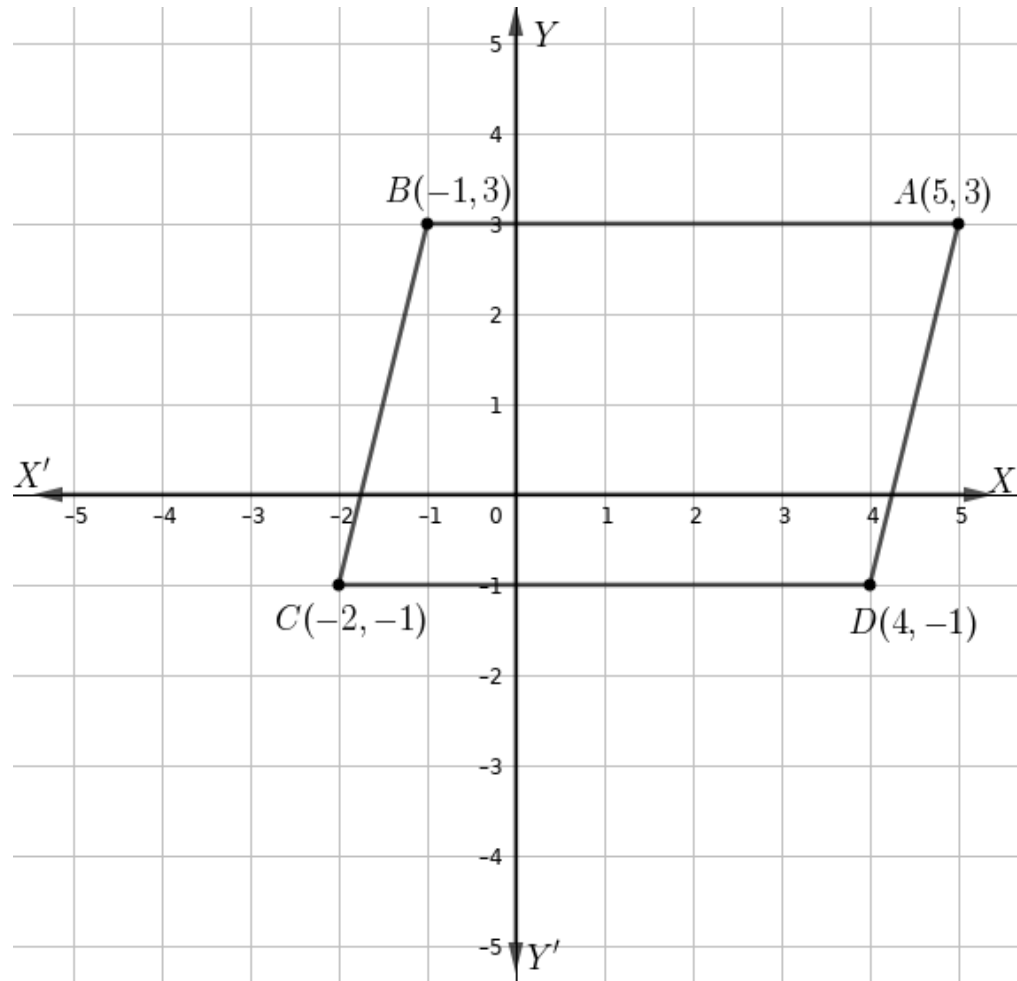
# WANDOOR GANITHAM - S S L C UNIT TEST 2021

**5.06AE**

## COORDINATES – ANSWER KEY

Qn no.	Key	Score	
1	$P(2,3)$  $Q(-3,-2)$	1  1	  2
2	<b>a) 0</b>  <b>b) (1,6) or any pair of numbers with y coordinate 6.</b>	1  1	  2
3	<b>a) (1,4)</b>  <b>b) (6,2)</b>	1  1	  2
4	<b>a) <math>30^\circ</math></b>  <b>b) <math>P(2,2\sqrt{3})</math></b>  <b>c) <math>Q(-2\sqrt{3},2)</math></b>	1  1  1	    3
5	<b>a) (0,0)</b>  <b>b) (6,0)</b>  <b>c) <math>(3,3\sqrt{3})</math></b>	1  1  1	    3
6	<b>a) <math>AB = \sqrt{(4-3)^2 + (9-2)^2} = \sqrt{50}</math></b>  <b>b) <math>BC = \sqrt{(6-4)^2 + (3-9)^2} = \sqrt{40}</math></b>  <b>c) <math>AC = \sqrt{(6-3)^2 + (3-2)^2} = \sqrt{10}</math></b>  $BC^2 + AC^2 = 40 + 10 = 50 = AB^2$	1  1  1  1	      4
7			

a)



3

4

1

b) Parallelogram .