

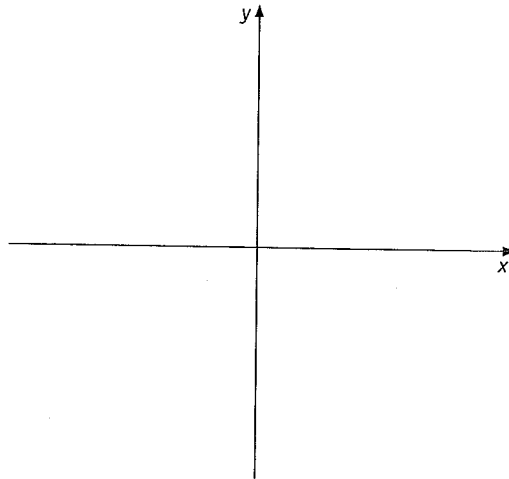
# Coordinate methods in geometry

## TOPIC TEST

Time allowed: 30 minutes

Total marks = 25

- 1 P, Q and R are the points (2, 2), (-2, -1) and (-5, 3) respectively.



- a Find the lengths of:

i PQ

3 marks

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ii QR

3 marks

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iii PR

3 marks

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- b What conclusions can be reached about triangle PQR? Justify your answer.

4 marks

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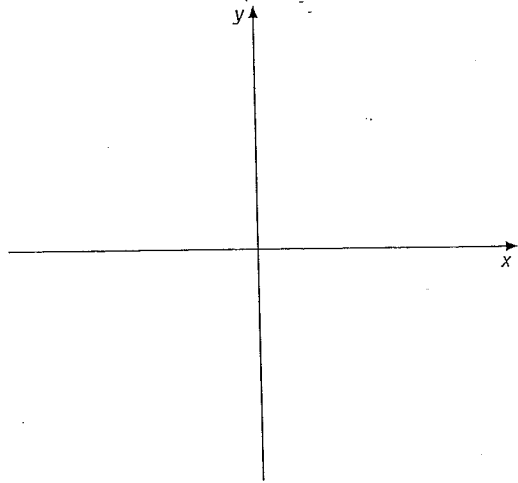
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2 Show that the quadrilateral whose vertices are  $(-4, 3)$ ,  $(-2, 6)$ ,  $(7, 0)$  and  $(5, -3)$  is a rectangle.

12 marks



Blank lined area for writing the solution.