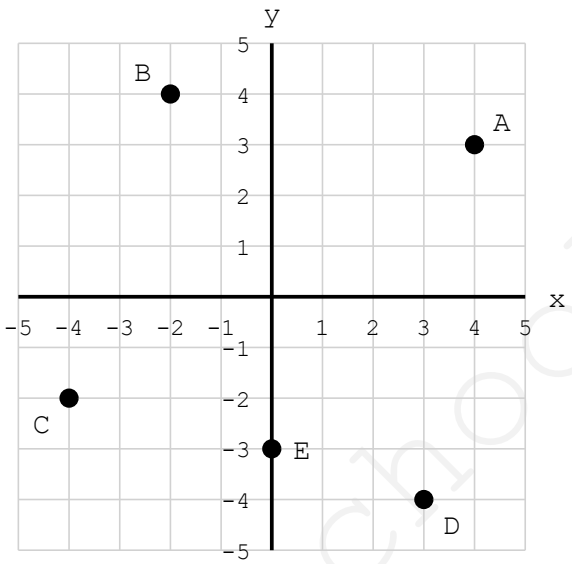
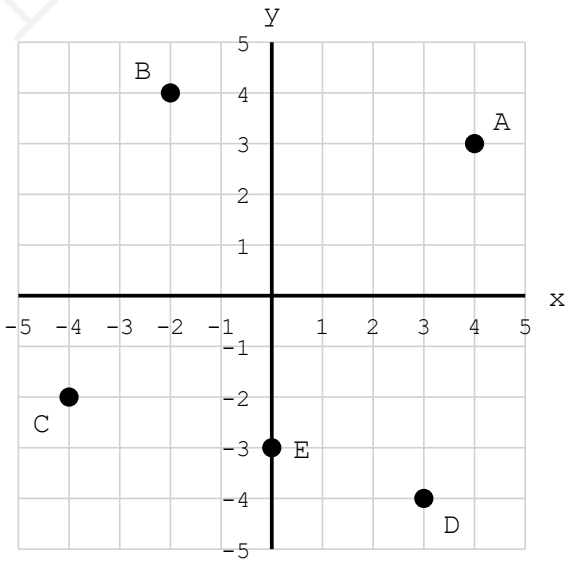
Coordinates & Graphs: Medium Practice Paper 1

Q1. What are the coordinates of point C?



A. (−2, −4) B. (4, −2) C. (−4, 2) D. (−4, −2) E. (2, −4)

Q2. Which point lies on the y-axis?



A. A B. B C. C D. D E. E

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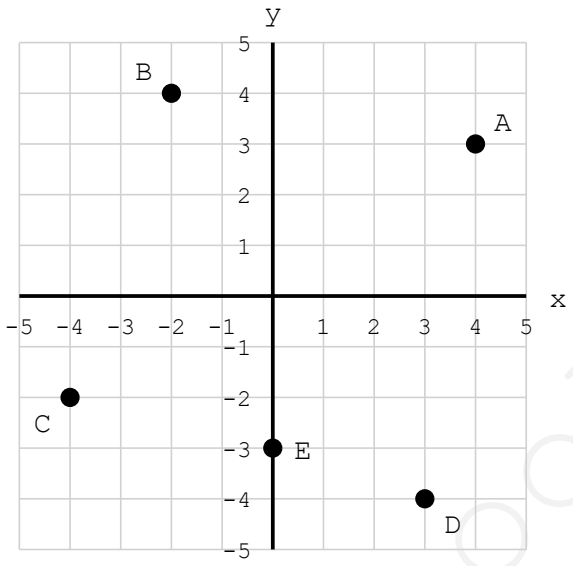
Q3. Which point has an x-coordinate that is negative and a y-coordinate that is positive?



A. A B. B C. C D. D E. E

Q4. The point (−4, 2) is reflected in the x-axis. What are the coordinates of its image?

A. (4, 2) B. (4, −2) C. (−4, −2) D. (−2, 4) E. (2, −4)

Q5. The point (3, −5) is reflected in the y-axis. What are the coordinates of its image?

A. (3, 5) B. (−5, 3) C. (−3, 5) D. (5, −3) E. (−3, −5)

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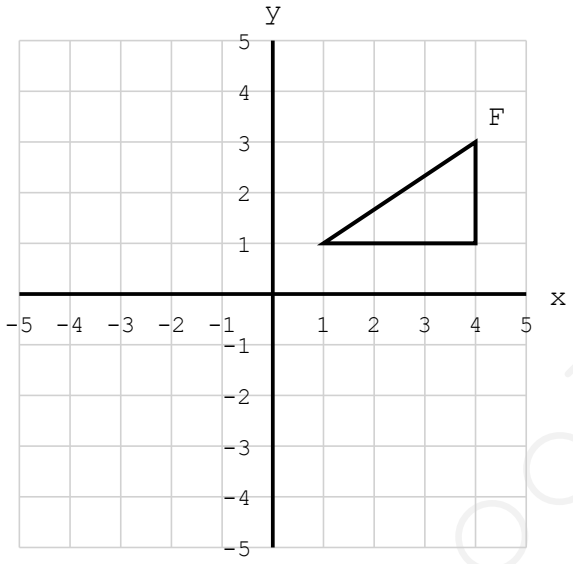
Q6. The triangle is reflected in the y-axis. What are the coordinates of the image of corner F?



A. (−4, 3) B. (4, −3) C. (−4, −3) D. (−3, 4) E. (3, −4)

Q7. A point at (2, 4) is translated 6 squares left and 5 squares down. Where does it end up?

A. (−4, −1) B. (8, 9) C. (−4, 1) D. (4, −1) E. (−6, −5)

Q8. A shape is moved so that one corner goes from (−3, 2) to (1, −1). How would you describe the move?

A. 4 right and 3 down

B. 3 right and 4 down

C. 4 left and 3 up

D. 4 right and 3 up

E. 3 left and 4 down

Q9. How many squares apart are the points (−3, 2) and (5, 2)?

A. 2 B. 3 C. 5 D. 8 E. 10

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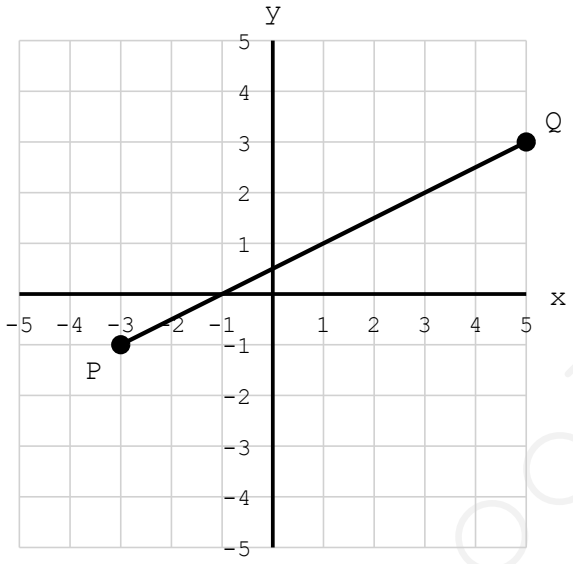
Q10. What are the coordinates of the midpoint of the line joining the two marked points?



A. (0, 0) B. (1, 1) C. (2, 1) D. (1, 2) E. (2, 2)

Q11. Three corners of a rectangle are (−4, −1), (2, −1) and (2, 3). What are the coordinates of the fourth corner?

A. (−4, 3) B. (4, 3) C. (−4, −3) D. (3, −4) E. (−1, 3)

Q12. A rectangle has corners at (−4, −1), (2, −1), (2, 3) and (−4, 3). What is its perimeter, in squares?

A. 10 B. 16 C. 20 D. 24 E. 26

Q13. A point lies below the x-axis and to the right of the y-axis. Which of these could it be?

A. (3, 6) B. (−3, 6) C. (6, −3) D. (−6, −3) E. (0, −6)

Q14. The point (2, 5) is reflected in the x-axis, and its image is then reflected in the y-axis. Where does it finish?

A. (2, 5) B. (−2, 5) C. (2, −5) D. (−2, −5) E. (5, −2)

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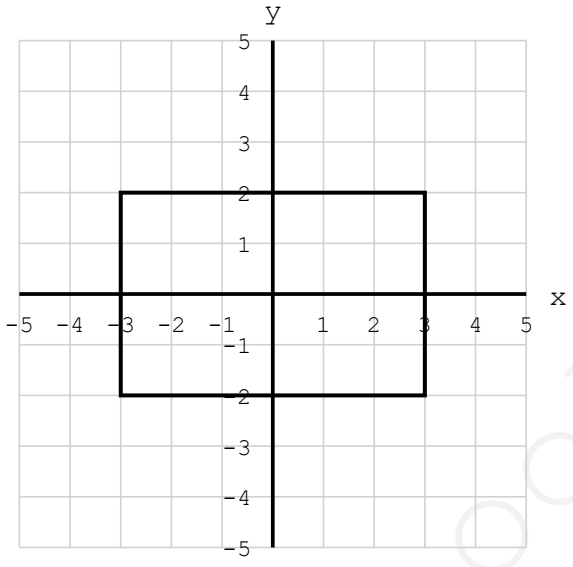
Q15. What are the coordinates of the centre of this rectangle?



A. (0, 0) B. (1, 0) C. (0, 1) D. (3, 2) E. (−3, −2)

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