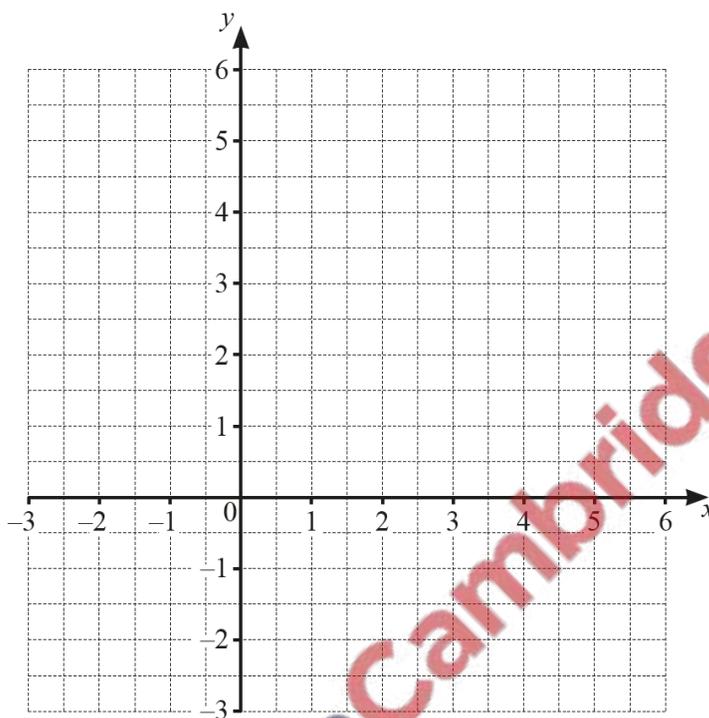


1. June/2023/Paper_0444/41/No.4

- (a) In the square $ABCD$, A has coordinates $(-2, 1)$ and B has coordinates $(1, 5)$.
 C has coordinates (a, b) , where a and b are both positive integers.

Find the coordinates of C and the coordinates of D .
You may use the grid to help you.



C (..... ,)

D (..... ,) [4]

(b) P has coordinates $(-1, 3)$ and Q has coordinates $(6, 4)$.

(i) Find the coordinates of the midpoint of PQ .

(..... ,) [2]

(ii) Find the length PQ .

..... [3]

(iii) Find the slope of PQ .

..... [2]

(iv) Find the equation of the line parallel to PQ that crosses the x -axis at $x = 2$.

..... [3]

