

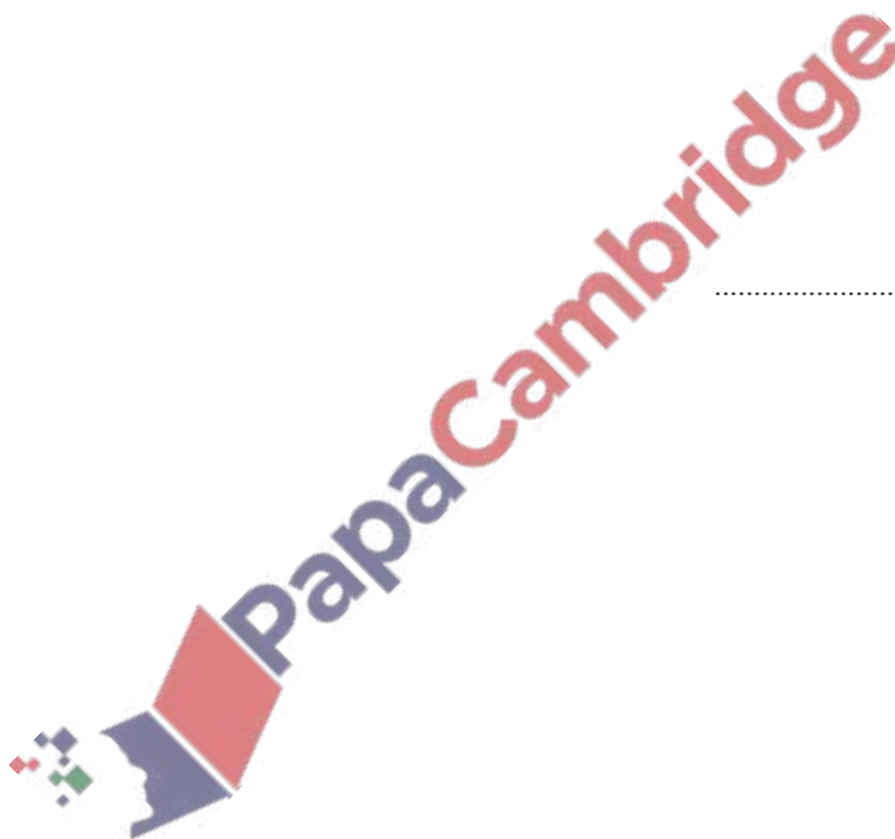
1. **Nov/2020/Paper_11/No.21**

Line L is perpendicular to the line $y = -\frac{1}{2}x + 3$.

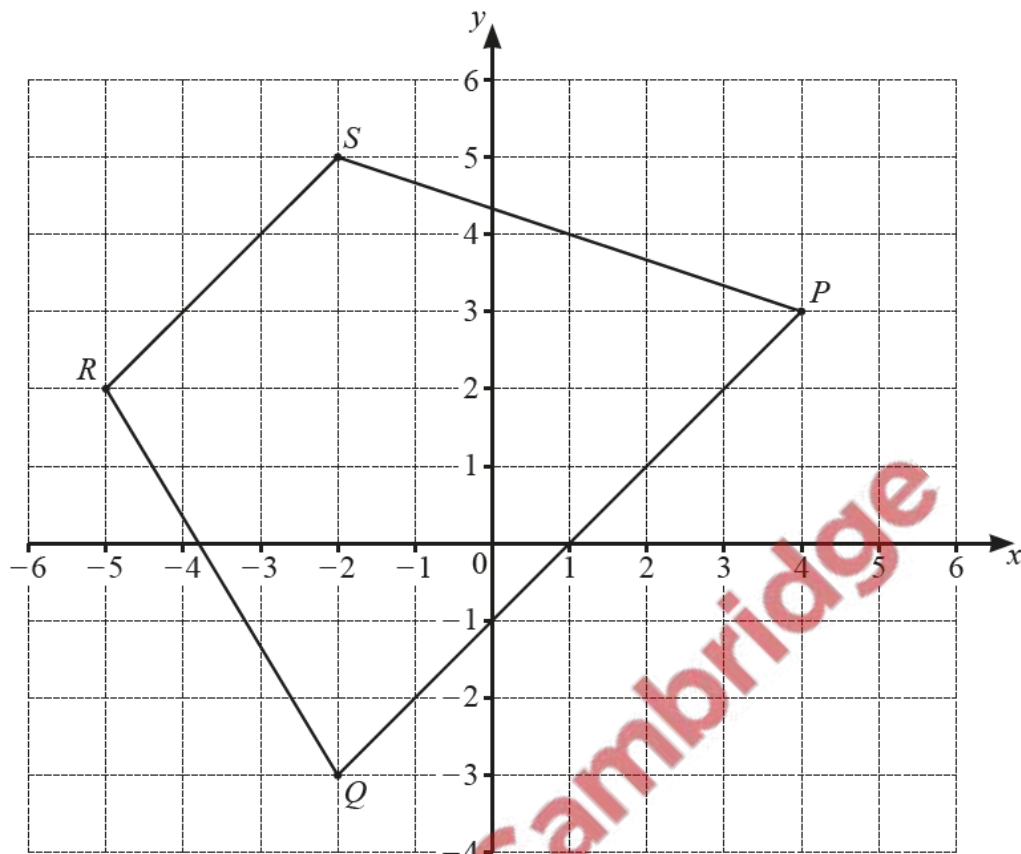
Line L passes through the point $(8, 9)$.

Find the equation of line L .

..... [3]



The quadrilateral $PQRS$ is drawn on a 1 cm square grid.



(a) Write down the name of this special quadrilateral.

..... [1]

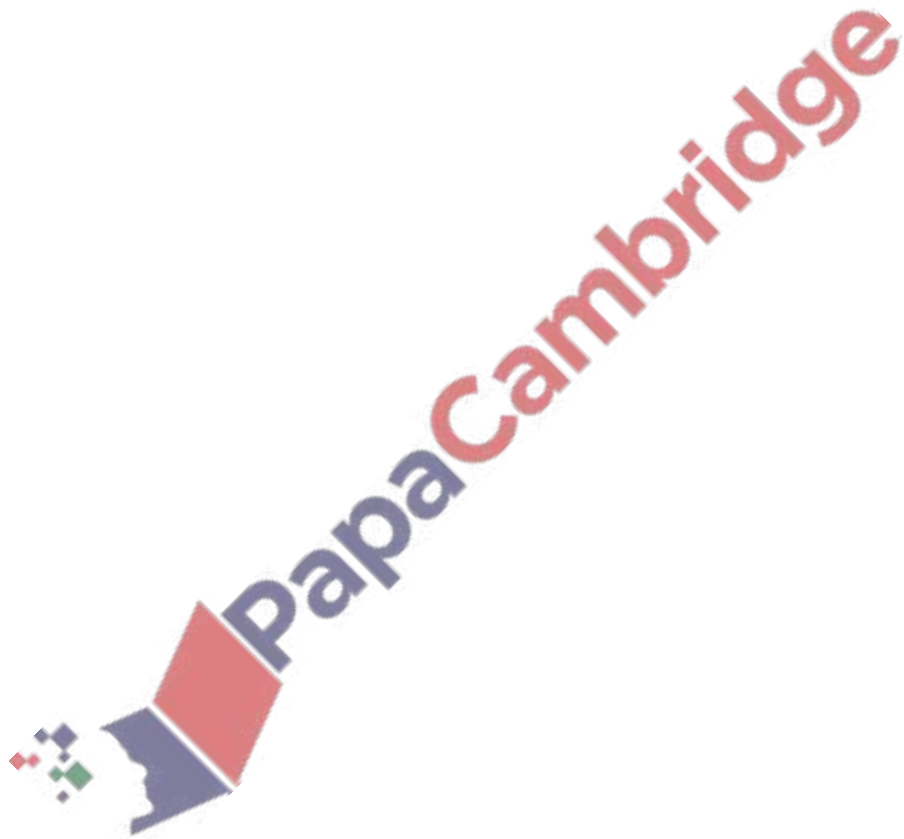
(b) Find the coordinates of the midpoint of QR .

(.....,) [1]

(c) The length PS is equal to \sqrt{m} cm.

Find the value of m .

$m = \dots\dots\dots$ [2]



3. June/2020/Paper_12/No.24

P is the point $(h, 7)$.

P lies on the line $3y + 2x = 5$.

(a) Find the value of h .

$h = \dots\dots\dots$ [2]

(b) Line L is perpendicular to the line $3y + 2x = 5$ and passes through P .

Find the equation of line L .

$\dots\dots\dots$ [4]

