

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date: .....

Name: .....

ID No.....

- i.* Draw the graphs of the equations  $y = 3$ ,  $y = 5$  and  $2x - y - 4 = 0$ . Also find the area of the quadrilateral formed by the lines and the y-axis.

Sol. (i)

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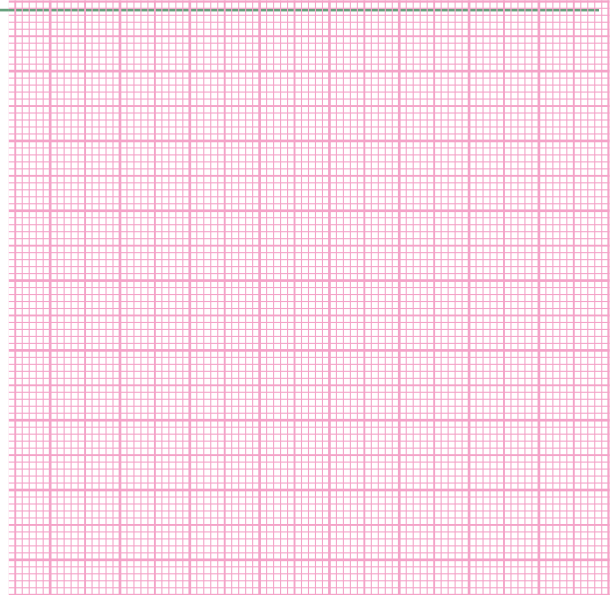
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- ii.* A motorboat can travel 30 km upstream and 28 km downstream in 7 hours. It can travel 21 km upstream and return in 5 hours. Find the speed of the boat in still water and the speed of the stream.

Sol.

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