

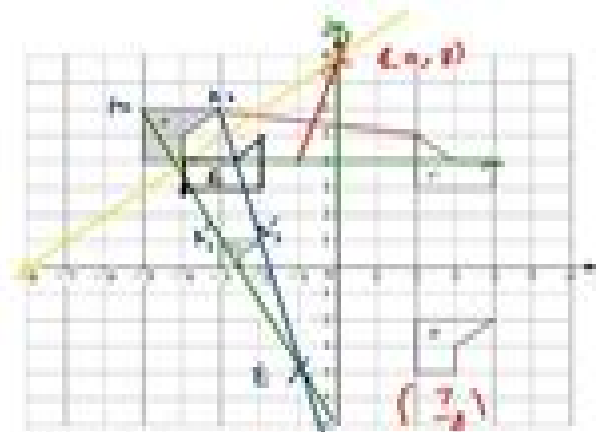
IGCSE MATHS

0580/42

PAPER 4

October November-22

Full Solution



part 1. Show that the angle between the line and the curve is 45° .

the slope of the line is

$$-\frac{7}{1}$$

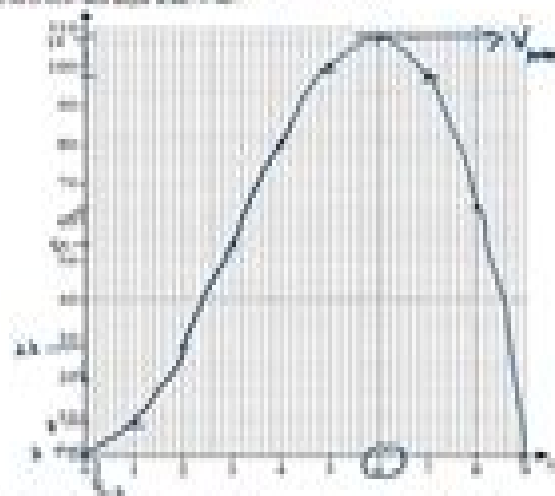


ONLY

$$\begin{aligned} 180 - 90 \\ = 90 - 45 \\ = 45 \end{aligned}$$

$$180 - 90 = 90$$

The diagram shows the gradient of the line is $-\frac{7}{1}$ and the slope of the curve is 1 .



the area under the curve is $\frac{1}{2} \times 4 \times 12 = 24$

the area under the curve is $\frac{1}{2} \times 4 \times 12 = 24$

$$\frac{1}{2} \times 4 \times 12 = 24$$

$$\frac{1}{2} \times 4 \times 12 = 24$$

Math Igcse Paper 4 November 2013 0580

Karen Morrison, Nick Hamshaw



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