1. Nov/2022/Paper_0606_11/No.3

When y^3 is plotted against $\ln x$, a straight line graph is obtained, passing through the points (1, 5) and (6, 15). Find y in terms of x. [4]

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2. Nov/2022/Paper_0606_11/No.9

Solve the equation $2\log_p y + 10\log_y p - 9 = 0$, where p is a positive constant, giving y in terms of p. [5]

3. Nov/2022/Paper_0606_22/No.2

DO NOT USE A CALCULATOR IN THIS QUESTION.

Find the x-coordinates of the points where the line $y = 3x - 8$ cuts the curve $y = 2x^3 + 3x^2 - 26x + 22$. [5]

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4. Nov/2022/Paper_0606_22/No.4

Solve the equation $\log_3(11x-8) = 1 + \frac{2}{\log_x 3}$ given that $x > 1$. [5]

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5. Nov/2022/Paper_0606_23/No.3

Solve the equation $\lg(2x-1) + \lg(x+2) = 2 - \lg 4$. [5]