<u>Logarithms and exponential functions – 2021 A2 Nov P3</u>

Nov/2021/Paper_9709/31/No.1 Solve the equation $4 5^x - 1 = 5^x$, giving your answers correct to 3 decimal places.	[4]
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Find the value of x for which $3(2^{1-x}) = 7^x$. Give your answer in the form $\frac{\ln a}{\ln b}$, where a and b a integers.	are [4]
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2. Nov/2021/Paper_9709/32/No.1

3.	Nov/2021/Paper_9709/33/No.3 Solve the equation $4^{x-2} = 4^x - 4^2$, giving your answer correct to 3 decimal places.	4
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