



## INDICES AND LOGARITHMS

Exercise i.3: Solve for  $x$  in the following equations:

a)  $2^x = 32$

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h)  $3^x = 1/234$

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b)  $8^x = 32$

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i)  $9^x = 27^{x-1}$

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c)  $5^{-x} = 25$

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j)  $2^x = \frac{1}{4^3}$

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d)  $9^{-x} = 27$

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k)  $4^5 \times 4^2 = 4^{2x+2}$

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f)  $4^x = 1096$

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l)  $4^{4x+1} = 2^{x-1}$

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g)  $2^{x-1} = \frac{1}{8^x}$

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