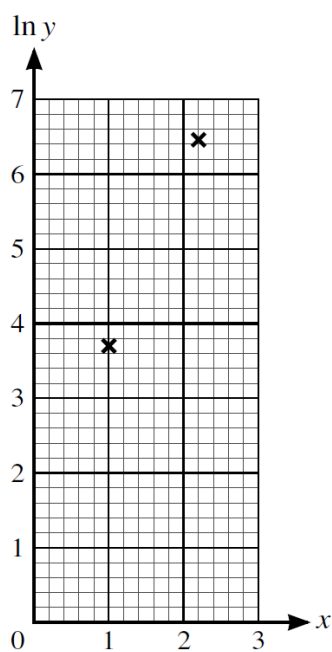


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The variables x and y are related by the equation $y = ab^x$, where a and b are constants. The diagram shows the result of plotting $\ln y$ against x for two pairs of values of x and y . The coordinates of these points are $(1, 3.7)$ and $(2.2, 6.46)$.

Use this information to find the values of a and b . [4]

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