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| **Finding the Equation of Exponential Graphs** |
| **(a)** | **(b)** | **(c)** |
| The curve has equation $y=ab^{x}$. Write down the value of $a$. | The curve has equation $y=ab^{-x}$. Write down the value of $a$. |  The curve has equation $y=k^{x} $. Find the value of $k.$ |
| **(d)** | **(e)** | **(f)** |
| The curve has equation $y=ab^{-x} $. Find the values of $a$ and $b$, where $b>0$ | The curve has equation $y=ab^{x} $. Find the values of $a$ and $b.$ | The curve has equation $y=ab^{-x}$. Find the values of $a$ and $b.$ |
| **(g)** | **(h)** | **(i)** |
| The curve has equation $y=ab^{x} $. Find the values of $a$ and $b.$ | The curve has equation $y=ab^{-x} $. Find the values of $a$ and $b$, where $b>0$ |  The curve has equation $y=ab^{-x} $. Find the values of $a$ and $b$, where $b>0$ |