Two variables, x and y, are connected by the equation $y = ax^b$.

The graph of $\log_5 y$ against $\log_5 x$ is a straight line as shown.
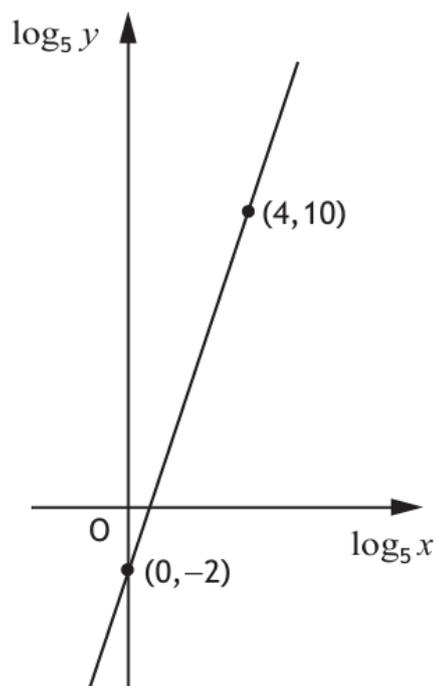
Find the values of a and b.   **5**

Answer:

$a = \dfrac{1}{25}, b = 3$