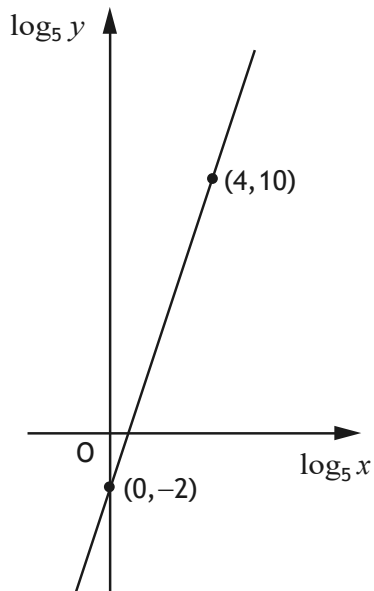


6. Two variables, x and y , are connected by the equation $y = ax^b$.
The graph of $\log_5 y$ against $\log_5 x$ is a straight line as shown.



Find the values of a and b .