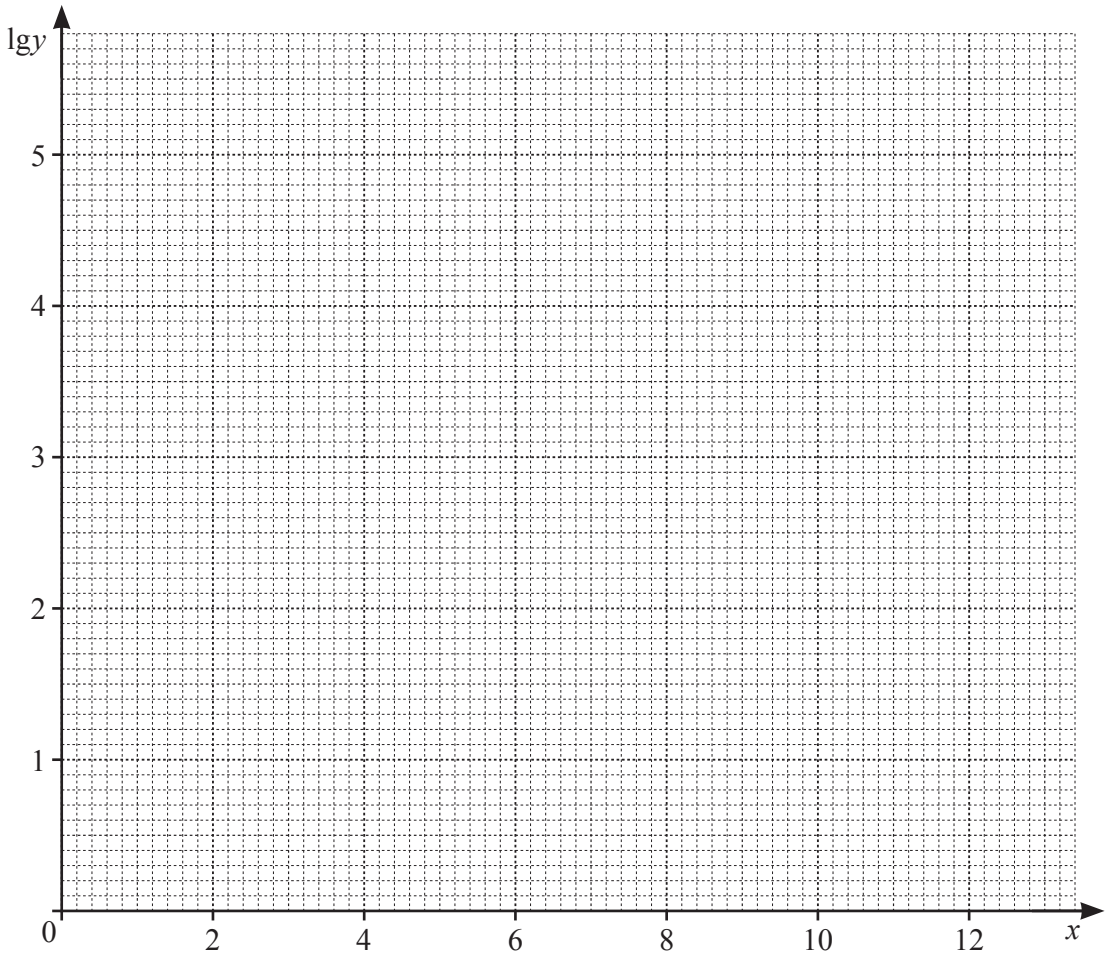
8 Variables y and x are known to be connected by the relationship $y = Ab^x$ where A and b are constants. The table shows values of y for certain values of x.

x	1	3	5	10	12
y	38	150	600	20 500	82 000

(a) Draw the graph of $\lg y$ against x. [2]



(b) Use your graph to find values of A and b, giving each to 1 significant figure. [6]

(c) Find an estimate of x when $y = 1500$. [2]