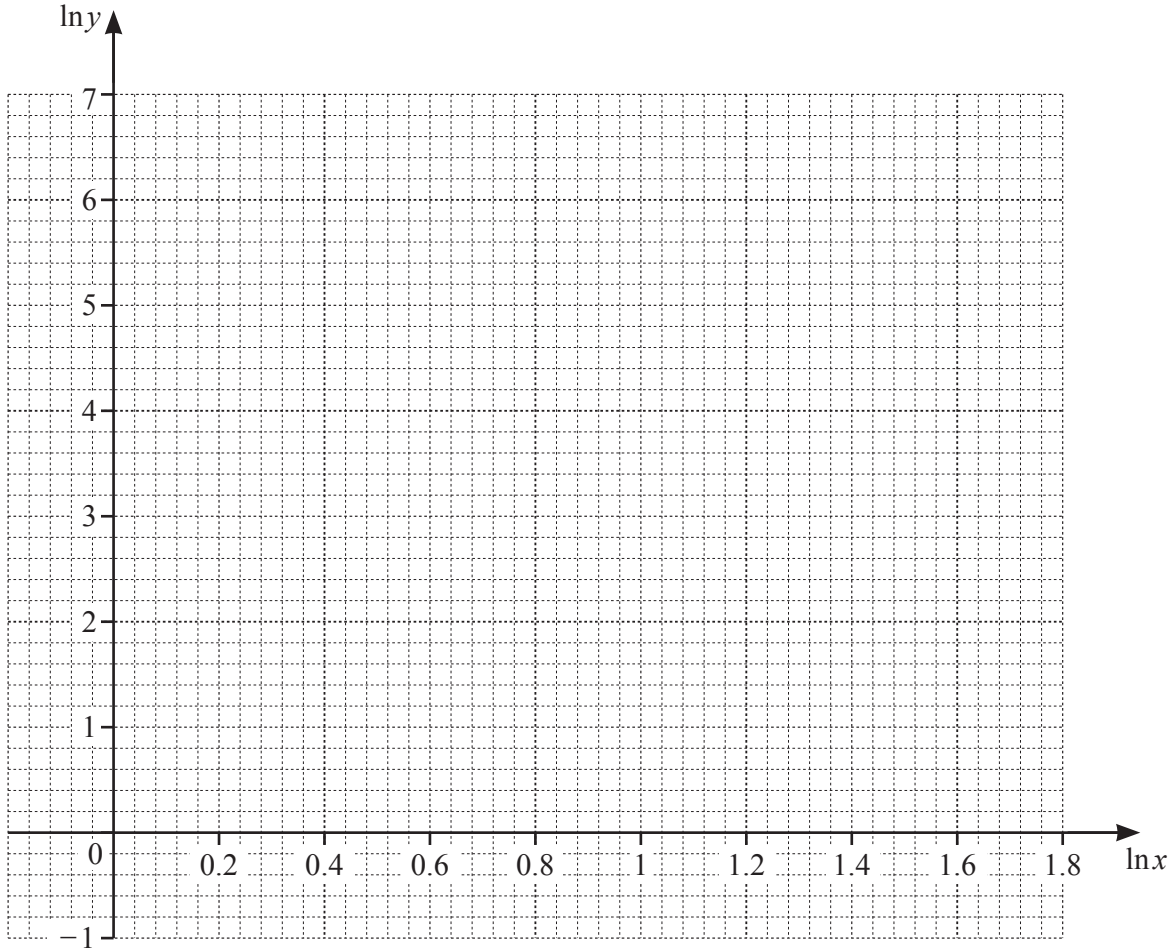
4

x	1	2	3	4	5
y	20	57	104	160	224

The table shows values of the variables x and y, which are related by the equation $y = Ax^b$, where A and b are constants.

(a) Use the data to draw a straight line graph of $\ln y$ against $\ln x$. [3]



(b) Use your graph to estimate the values of A and b. Give your answers correct to 2 significant figures. [4]

(c) Use your graph to estimate the value of y when $x = 3.5$. [2]