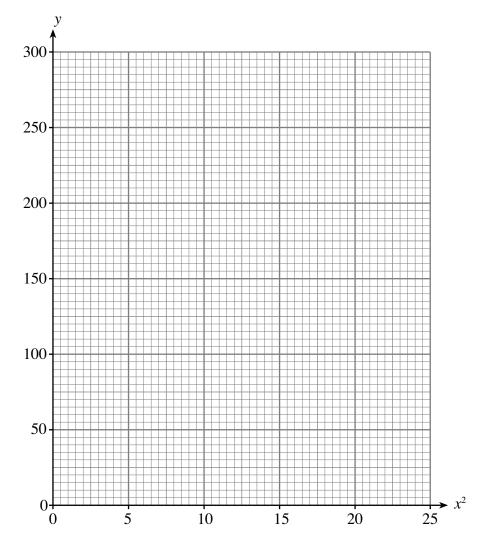
17. During an experiment the value of a variable y was found for different values of x. The results are recorded in the following table.

x	1	2	3	4	5
у	190	170	130	70	0

(a) On the graph paper below, plot the values of y against the values of x^2 .

[2]



(b) It is known that y is approximately equal to $ax^2 + b$. Use your graph to estimate the values of a and b.

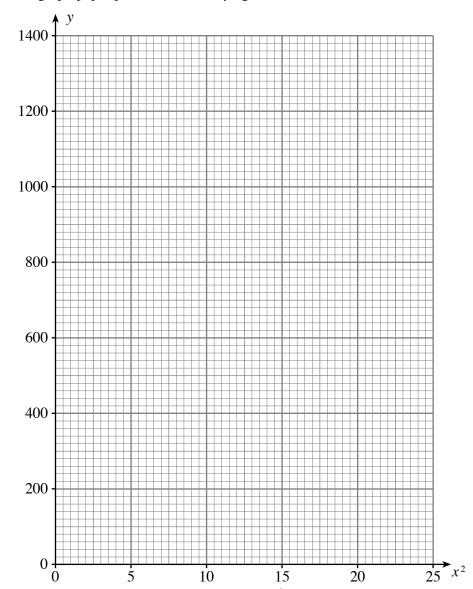
[3]

23. The data in the table was recorded during an experiment. Results were recorded for the two variables x and y.

х	1	2	3	4	5
y	170	320	575	925	1370

(a) On the graph paper plot the values of y against the values of x^2 .





(b) It is known that y is approximately equal to $ax^2 + b$. Use your graph to estimate the values of a and b.

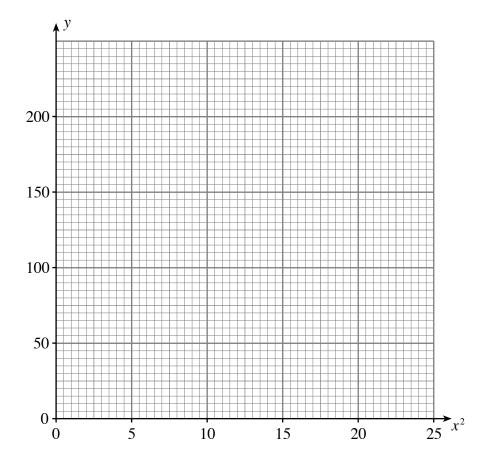
[3]

25. The data in the table was recorded during an experiment. Results were recorded for the two variables *x* and *y*.

x	1	2	3	4	5
у	31	52	87	136	199

(a) On the graph paper plot the values of y against the values of x^2 .

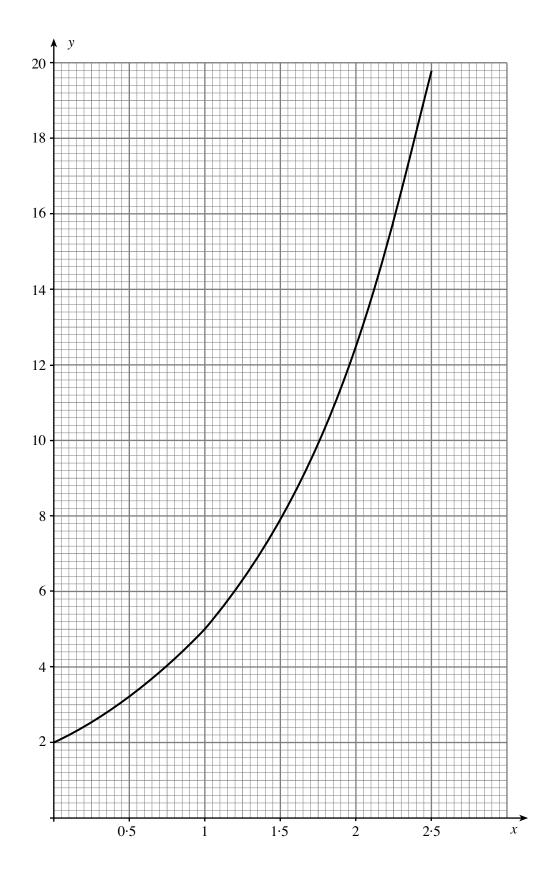
[2]



(b) It is known that y is approximately equal to $ax^2 + b$. Use your graph to estimate the values of a and b.

Ose your graph to estimate the values of u and v.

23. The diagram shows the graph of $y = bc^x$.



Use the graph opposite of $y = bc^x$ to find the values of b and c.
L+