IGCSE – graphs – paper 2

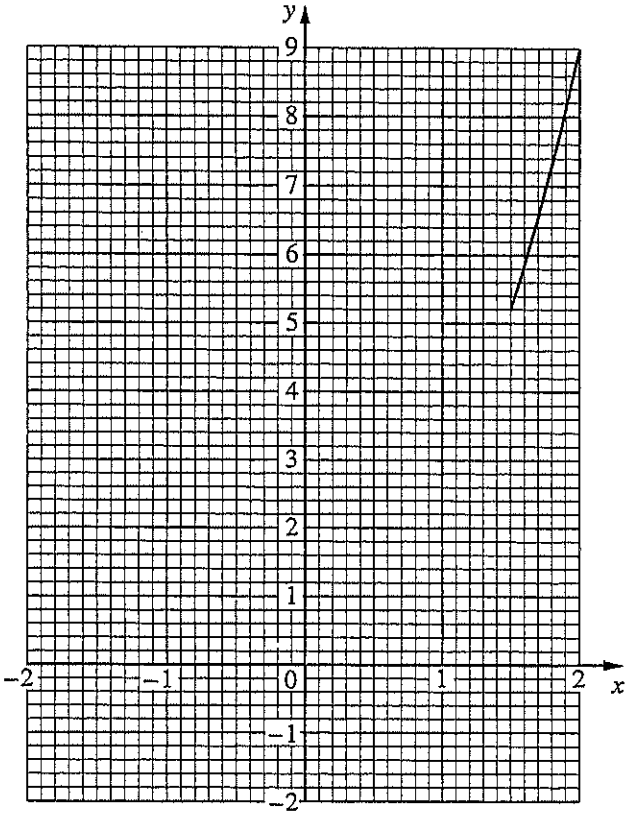
May 03 Paper 2

20 **(a)** Complete the table of values for $y = 3^x$.

x	−2	−1.5	−1	−0.5	0	0.5	1	1.5	2
y		0.2						5.2	9

[3]

(b) Use your table to complete the graph of $y = 3^x$ for $-2 \leqslant x \leqslant 2$.



[2]

(c) Use the graph to find the solution of the equation

$$3^x = 6.$$

Answer (c) $x =$ ..... [1]

Oct 03 Paper 2

16 The straight line graph of $y = 3x - 6$ cuts the x-axis at A and the y-axis at B.

(a) Find the coordinates of A and the coordinates of B.

Answer (a) A (....., ...)

B (....., ...) [2]

(b) Calculate the length of AB.

Answer (b) ..... [2]

(c) M is the mid-point of AB.
Find the coordinates of M.

Answer (c) (....., ...) [1]