(a) (i)	Given that $f'(2) = 13$, find the value of p .	[2]
(ii)	Given also that $(x-2)$ is a factor of $f(x)$, find the value of q .	[2]

The cubic polynomial f(x) is defined by $f(x) = x^3 + px + q$, where p and q are constants.

The curve y = f(x) is translated by the vector $\begin{pmatrix} 2 \\ -3 \end{pmatrix}$.

(b) Using the values from part (a), determine the equation of the curve after it has been translated. Give your answer in the form $y = x^3 + ax^2 + bx + c$, where a, b and c are integers to be found.