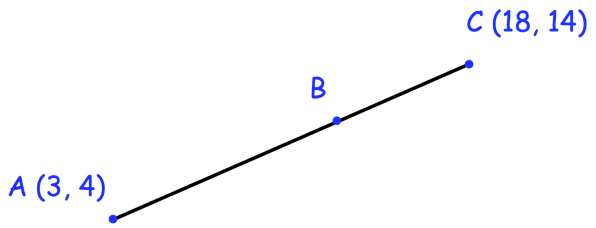
16th August

Corbettmaths

By using completing the square, find the coordinates of the minimum point on the curve

$y = x^2 + x - 5$

Find where the matrix $\begin{pmatrix} 6 & -1 \\ 0 & 5 \end{pmatrix}$ maps the point $(4, -1)$



ABC is a straight line.
AB : BC = 13 : 7

Work out the coordinates of the point B

A curve has equation
$y = 4x^3 - 10x^2 - 8x + 3$

Find the coordinates of the minimum point.