

24th May

Corbettmaths

$$-2 \begin{pmatrix} 3 & 4 \\ -5 & 1 \end{pmatrix} \begin{pmatrix} -1 \\ -2 \end{pmatrix} = \begin{pmatrix} p \\ q \end{pmatrix}$$

Find p and q

$$f(x) = x - x^2 \quad \text{for } -3 \leq x \leq 3$$

Work out the range of $f(x)$ Use Pascal's triangle to expand
 $(x - 3)^5$ Work out the equation of the normal to
the curve $y = 2x^3 + 2x^2 - 2x - 3$
at the point $(0, -3)$ Give your answer in the form
 $y = mx + c$