

**27th August**

Corbettmaths

Write down all the integer solutions to

$$-7 < \frac{x}{3} - 2 < -5$$

$$f(x) = x^3 - 5$$

Solve  $f^{-1}(x) = -3$

$$\mathbf{A} = \begin{pmatrix} 3 & 9 \\ -2 & 8 \end{pmatrix} \quad \mathbf{B} = \begin{pmatrix} p \\ -1 \end{pmatrix}$$

$$\mathbf{C} = \begin{pmatrix} 9 \\ q \end{pmatrix}$$

 $p$  and  $q$  are constants.

Given  $\mathbf{AB} = \mathbf{C}$

Work out the values of  $p$  and  $q$ 

Work out the equation of the line of symmetry of the graph

$$y = 5x^2 - 13x + 6$$