

**3rd June**

Corbettmaths

Work out

$$\begin{pmatrix} 3 & 0 \\ -1 & 2 \end{pmatrix} \begin{pmatrix} 8 & -1 \\ -2 & 9 \end{pmatrix}$$

Solve  $3\tan\theta = 1.8$  for  
 $0^\circ \leq \theta \leq 360^\circ$

Use Pascal's triangle to expand  
 $(x - y)^5$

The curve C has equation

$$y = -x^3 + \frac{33}{2}x^2 - 84x + 1$$

Work out the coordinates of any stationary point on this curve and determine their nature