

5th May

Corbettmaths

Solve

$$y^2 \geq 144$$

Solve the simultaneous equations

$$y = 9x^2 + 11x + 3$$

$$5x - y + 2 = 0$$

Given that $y = x(9 - 2x)$ Work out the rate of change of y with respect to x when $x = -3$

Given

$$\begin{pmatrix} 4 & -1 \\ 0 & 6 \end{pmatrix} \begin{pmatrix} -1 \\ x \end{pmatrix} = \begin{pmatrix} 2 + y \\ 3y \end{pmatrix}$$

Work out x and y