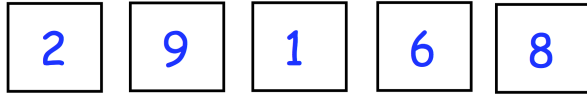


6th April

Corbettmaths

How many even numbers greater than 40000 can be created using these digits?



$$y = x^4 - x^3 + 2x^2 - 9x$$

Find $\frac{d^2y}{dx^2}$ when $x = 10$

Solve $\frac{(4x + 3)(x + 2)}{x + 1} = 3$

$$5\cos x - 9\sin x = 0$$

where $0^\circ < x < 360^\circ$

Work out the size of angle x .