

**6th July**

Corbettmaths

Make  $x$  the subject of  $y = \frac{4x^3 - 11}{3x^3 + w}$

$a : b = 7 : 8$

Work out  $(a + 3b) : 9b$

Work out the matrix that transforms the unit square by a  $90^\circ$  anticlockwise rotation about  $O$

George has the six number cards below.



How many 5-digit **even** numbers can be made that are greater than 30000?