

23rd March

Corbettmaths

Solve $6y^2 + 4 = 13 - 3y + 4y^2$

How many odd numbers greater than 50000 can be formed from the digits

4 6 8 9 0

with no repetition of any digit?

Simplify

$$\frac{x^2 + 8x - 20}{x^2 - 9} \div \frac{x - 2}{x^2 + 3x}$$

Work out the values of x for which

$$f(x) = \frac{1}{3}x^3 + \frac{9}{2}x^2$$

is an increasing function