

28th April



Corbettmaths

$$\int 4x^2 + \sqrt{x} \, dx$$

A line has equation $2x + 2y = 7$.

Find the equation of the line parallel to this which passes through the point (8, 9)

Solve the simultaneous equations

$$x + y = 2$$

$$x^2 + 5y = 34$$

The number of seats in each row of a theatre with 50 rows, form an arithmetic progression.

In row 10 there are 34 seats.

In row 50 there are 154 seats.

Given a show is a "sell-out" and each ticket costs £5, calculate the total income.

Sketch

$$y = (x + 1)(2 - x)^2$$

