

17th Dec

Corbettmaths

The first term of an arithmetic progression is 520.

The 100th term is 223

Calculate the common difference

$$y = (2x + 1)(5x + 2)$$

Find

$$\frac{dy}{dx}$$

Solve

$$x^2 > 11x - 24$$

Integrate with respect to x

$$9 + 4x^2 - \frac{5}{\sqrt[3]{x}}$$

Solve the simultaneous equations

$$x + y = 3$$

$$x^2 + 5y = 29$$