

27th September

Corbettmaths

The point C has coordinates (2, -3) and the point D has coordinates (4, 6).

Find the equation of the line perpendicular to CD and passing through D.

$$a = \frac{\sqrt{m}}{p}$$

$m = 2.46$ correct to 3 significant figures
 $p = 1.045$ correct to 4 significant figures

By considering bounds, work out the value of a to a suitable degree of accuracy

Simplify the ratio

$$\sqrt{27} : \sqrt{75} : \sqrt{1200}$$

Find the minimum point of the graph

$$y = x^2 - 6x - 2$$

For all values of x ,

$$f(x) = x^2 + 4$$

$$g(x) = x - 9$$

Solve $fg(x) = gf(x)$