31st Dec
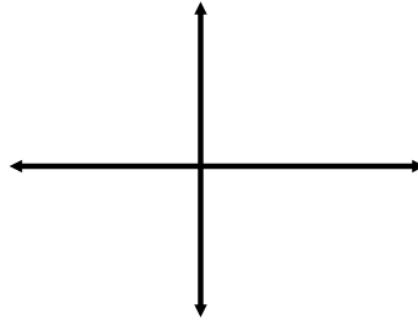
Corbettmaths

$\sqrt{800}$ in the form $a\sqrt{2}$

Sketch

$y = (x − 4)(x − 1)(x + 3)$

Showing any coordinates where the curve meets the axes.

Describe fully the single transformation that maps the graph of

$$y = \frac{1}{x} \quad \text{onto} \quad y = \frac{1}{x + 2}$$

$$\int 5x^4 - \frac{3}{x^2} + 4\sqrt{x} \ dx$$

Find the equation of the normal to the curve

$$y = \frac{4}{x} + x$$

at the point on the curve with x-coordinate −1