

12D Multiple terms

1. Find $\frac{dy}{dx}$ when $y = x^2 - 6x - 4$

2. Find the gradient of the curve $y = x^3 + x^2$ when $x = 2$

3. Find the gradient of the curve $y = \frac{1}{3}x^{\frac{1}{2}} + 4x^2$ at the point $\left(1, \frac{13}{3}\right)$