

DIFFERENTIATION

Differentiate the equation $y = x^3 + 2x^2 - 3x + 7$.

Hence find the gradient of the graph at the point where $x = 2$.

Common Tricks

Differentiate the following

$$y = \sqrt{x}$$

$$y = \frac{1}{x^2}$$

$$y = \frac{\sqrt{x}}{2}$$

$$y = \frac{3}{4x^2}$$