

7th November

Corbettmaths

Factorise fully $1 - y^4$ Write $\frac{6\sqrt{12}}{3 - \sqrt{5}}$ in the form $\sqrt{x} + \sqrt{y}$ where x and y are integers.A curve has equation $y = x^2 + 3x + 3$ Find the gradient of the normal to the curve at the point $(1, 7)$ The coefficient of the x^2 term in the expansion of $(2x + a)^4$ is 216Find the possible values of a