

01

If α, β, γ are the roots of $x^3 - 2x^2 + 4x - 4 = 0$ then find $\alpha^2\beta^2 + \beta^2\gamma^2 + \gamma^2\alpha^2$.

Your solution here:

02

Solve the equation $x^4 - 9x^3 + 27x^2 - 29x + 6 = 0$, one root being $2 - \sqrt{3}$.

Your solution here:

03

Solve the equation $x^3 - 6x^2 + 7x + 2 = 0$, one root being $2 + \sqrt{5}$.

Your solution here:

04

Solve the equation $x^3 - 11x^2 + 37x - 35 = 0$, one root being $3 + \sqrt{2}$.

Your solution here:

05

Find the roots of $x^4 - 16x^3 + 86x^2 - 176x + 105 = 0$.

Your solution here: