



MATHS

BOOKS - MAHAVEER PUBLICATION

PARTIAL FRACTIONS

Question Bank

1. Resolve $\frac{7x - 25}{(x - 3)(x - 4)}$

into partial fractions



Watch Video Solution

2. Determine the partial fraction

decomposition of $\frac{8x - 42}{x^2 + 3x - 18}$



[Watch Video Solution](#)

3. Determine the partial fraction

decomposition of $\frac{9 - 9x}{2x^2 + 7x - 4}$



[Watch Video Solution](#)

4. Determine the partial fraction

decomposition of $\frac{4x^2}{(x-1)(x-2)^2}$



[Watch Video Solution](#)

5. Determine the partial fraction

decomposition of $\frac{9x + 25}{(x + 3)^2}$



[Watch Video Solution](#)

6. Determine the partial fraction

decomposition of $\frac{8x^2 - 12}{x(x^2 + 2x - 6)}$



[Watch Video Solution](#)

7. Determine the partial fraction

decomposition of $\frac{3x^3 + 7x - 4}{(x^2 + 2)^2}$



[Watch Video Solution](#)

8. Determine the partial fraction

decomposition of $\frac{8x^3 + 13x}{(x^2 + 2)^2}$



[View Text Solution](#)

9. Determine the partial fraction

decomposition of $\frac{3x^2 + 4x + 4}{x^3 + 4x}$



[View Text Solution](#)

10. Determine the partial fraction

decomposition of $\frac{x^2 + 3x - 15}{(x^2 + 9)(x^2 + x + 1)}$



Watch Video Solution