

Assignment 5: Part 2

Determine the partial fraction decomposition of the following rational functions.

1. $\frac{6x-1}{2x^4-x^3}$

2. $\frac{x+3}{x^4+9x^2}$

3. $\frac{x^3-2x}{x^2+3x+2}$

4. $\frac{x^2}{(x^2+4)}$

5. $\frac{4x}{(x^2+1)(x^2+2x+3)}$