

## Partial Fraction Decomposition

Find the partial fraction decomposition of each.

1) 
$$\frac{-8x - 18}{x^2 + 3x}$$

2) 
$$\frac{-2x^2 + 8x + 3}{x^2 - 3x}$$

3) 
$$\frac{-10 + 11x}{x^3 - 7x^2 + 10x}$$

4) 
$$\frac{2x^3 - 8x^2 + 4x - 3}{x^3 - 2x^2 + x}$$

5) 
$$\frac{2x^4 + x^2 + 3x^3 - 4}{x^4 - 2x^2 + 2x^3 - 4x}$$